

Bay-Delta Advisory Council

Meeting Package

November 15, 2000

**Sacramento Convention Center
13th & J Streets, Room 304/305**

Sacramento, California

Meeting 9:30 a.m. - 1:00 p.m



**CALFED
BAY-DELTA
PROGRAM**

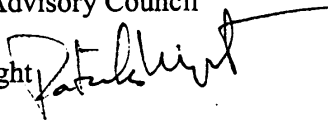
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Memorandum

DATE: November 6, 2000

TO: Bay-Delta Advisory Council

FROM: Patrick Wright 
Director

SUBJECT: November 15, 2000 Bay-Delta Advisory Council Meeting

The Bay-Delta Advisory Council meeting will be held on Wednesday, November 15, 2000, in Sacramento, California, at the Sacramento Convention Center in Room 304/305. The meeting is scheduled to begin at 9:30 a.m. Attached is the draft agenda and materials for the meeting.

It will be nearly six months, to the day, since the last BDAC meeting, on May 17, 2000. During that time the CALFED Bay-Delta Program issued the final programmatic EIS/EIR and the Record of Decision, and has made the transition to implementation (Stage 1).

The main objectives of the BDAC meeting are to assess the Ecosystem Restoration 2001 Proposal Solicitation Package Selection Panel recommendation and to bring the Council up-to-date on the progress of the rest of the Program. The ERP 2001 PSP has received extensive review from the Ecosystem Roundtable (a BDAC subcommittee), which will forward its comments on the selection panel recommended funding package to the Council at the meeting. You may remember that BDAC deliberated on the ERP 2001 implementation plan at the February 17, 2000 meeting and received an update on the proposals at the May 17, 2000 meeting. Also at the meeting, the CALFED agencies will formally thank the Council for the good work it has done over the last five years. We expect the meeting to adjourn in the early afternoon, in time for a lunch at the convention center.

I want to compliment Steve Ritchie for leading the CALFED Program through the very challenging time of completing the programmatic environmental documents and the transition into Stage 1 of implementation. His leadership ensured that the Program completed the programmatic planning phase. I wish Steve the best as the Director of URS Corporation's Northern California Water/Wastewater Business. I look forward to working with the Council, stakeholders, and the public as we begin implementation of this unprecedented and very complex effort to restore ecological health and improve water management of the Bay-Delta System.

CALFED Agencies

California

- The Resources Agency
- Department of Fish and Game
- Department of Water Resources
- The Reclamation Board
- California Environmental Protection Agency
- State Water Resources Control Board
- Department of Food and Agriculture
- Delta Protection Commission

Federal

- Environmental Protection Agency
- Department of the Interior
- Fish and Wildlife Service
- Bureau of Reclamation
- U.S. Geological Survey
- Bureau of Land Management
- U.S. Army Corps of Engineers

- Department of Agriculture
- Natural Resources Conservation Service
- U.S. Forest Service
- Department of Commerce
- National Marine Fisheries Service
- Western Area Power Administration

At the meeting, after introductions and the Chair's report, I will review major accomplishments over the last six months and commitments in the Record of Decision. After the briefing on the CALFED Program, Rebecca Fawver will update you on the progress the Ecosystem Restoration Program has made on the proposal funding package, since May 17. I expect she will be joined by the Ecosystem Roundtable and the Proposal Selection Panel co-chairs. Rebecca and the co-chairs will review the outcomes of the Selection Panel and Ecosystem Roundtable November 2 deliberations. We have tried to keep you up to date during the selection process with a mailing of the Ecosystem Roundtable materials from their October 1, 2000 meeting. You may also receive a fax of the Roundtable comments prior to the November 15 meeting.

The CALFED agencies would like to take the opportunity of this meeting to publicly thank the Council for the recommendations and advice it has provided over the last five and a half years. The Council provided a very helpful set of recommendations at the end of Phase 1 in July 1996, and has responded to numerous CALFED Program requests for comments on the plan as the programmatic documents were prepared. The recommendations on the CALFED solution by Chair Mike Madigan and Vice Chair Sunne McPeak were timely and helped frame the issues for discussions leading to the Framework for Action (issued on June 9, 2000) and the programmatic EIS/EIR Record of Decision (signed on August 28, 2000).

As you may recall, the Record of Decision calls for a new broad public advisory committee for Stage 1 implementation. The CALFED agencies are conducting the administrative tasks necessary for the new Federal Advisory Committee Act charter that is needed for the new committee. We will keep you informed on our progress in forming this committee. We expect that BDAC will remain in existence until the new committee is formed. We expect that the BDAC subcommittees and work groups which are still functioning will become part of the new broad committee. We will facilitate the transition so that any disruptions in the conduct of business are kept to a minimum.

I look forward to seeing you at the November 15 meeting!

This packet includes:

- Director's Report
- Ecosystem Restoration Program materials
- Meeting summaries from the last BDAC meeting and from work group meetings
- Correspondence

Attachments



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BAY-DELTA ADVISORY COUNCIL

Wednesday, November 15, 2000
9:30 a.m. to 1:00 p.m.

Sacramento Convention Center
13th and "J" Streets, Room 304/305
Sacramento, California

Draft Agenda*

1. 9:30 a.m. Welcome and Introductions
2. Chair's Report
3. Director's Report
4. CALFED Bay-Delta Program Accomplishments and Commitments
5. 11:00 a.m. Ecosystem Restoration 2001 Funding Package
6. CALFED Agencies Thank You to Bay-Delta Advisory Council
7. Public Comment
8. 1:00 p.m. Adjourn/Lunch

Additional Information:

- If you have questions or need additional information, please contact Eugenia Laychak at (916) 654-4214.
- If you need reasonable accommodation due to a disability, please contact Pauline Nevins at the CALFED Bay-Delta Program at (916) 657-2666 or TDD (800) 735-2929.

* Order of agenda items may change
Note new adjournment time.

Internet files bd1115draftag.wpd

CALFED Agencies

California

The Resources Agency
Department of Fish and Game
Department of Water Resources
The Reclamation Board
California Environmental Protection Agency
State Water Resources Control Board
Department of Food and Agriculture
Delta Protection Commission

Federal

Environmental Protection Agency
Department of the Interior
Fish and Wildlife Service
Bureau of Reclamation
U.S. Geological Survey
Bureau of Land Management
U.S. Army Corps of Engineers

Department of Agriculture
Natural Resources Conservation Service
U.S. Forest Service
Department of Commerce
National Marine Fisheries Service
Western Area Power Administration



**CALFED
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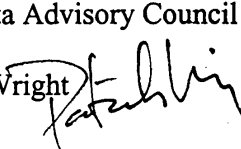
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MEMORANDUM

Date: November 3, 2000

To: Bay-Delta Advisory Council

From: Patrick Wright
Director 

Subject: Director's Report

The purpose of this report is to bring you and the public up-to-date on the CALFED Bay-Delta Program and related activities.

Recent Developments

Record of Decision

On August 28, 2000, the CALFED agencies signed the Record of Decision (ROD) for the CALFED Bay-Delta Program Final Programmatic EIS/EIR. BDAC members should have received both the Final EIS/EIR and the Record of Decision in the mail. The ROD addresses the actions that are part of the sustained, long-term effort by the CALFED agencies and stakeholder groups to build a framework for meeting the CALFED mission. The ROD and the June 9, 2000 Framework for Action, issued by Governor Gray Davis and Secretary of Interior Bruce Babbitt, address many of the issues raised by the Bay-Delta Advisory Council and contained in the May 24, 2000 recommendation on the CALFED Solution.

The signing of the ROD officially moved the CALFED Bay-Delta Program into Stage 1 implementation. Stage 1 covers the first seven years of a 30-year program and builds the foundation for long-term actions. The ROD sets out actions included in the Preferred Program Alternative for implementing Stage 1. These actions depend upon subsequent project-specific environmental analyses, as well as subsequent review of financial and legislative proposals by the State and Federal executive branches, Congress and the state Legislature.

The following sections of the Director's Report summarize the progress the Program has made since the signing of the ROD.

CALFED Agencies

California	The Resources Agency Department of Fish and Game Department of Water Resources The Reclamation Board California Environmental Protection Agency State Water Resources Control Board Department of Food and Agriculture Delta Protection Commission	Federal	Environmental Protection Agency Department of the Interior Fish and Wildlife Service Bureau of Reclamation U.S. Geological Survey Bureau of Land Management U.S. Army Corps of Engineers	Department of Agriculture Natural Resources Conservation Service U.S. Forest Service Department of Commerce National Marine Fisheries Service Western Area Power Administration
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CALFED Bay-Delta Program New Mission

The CALFED agencies modified the original mission to reflect the Program's progress towards implementation:

The mission of the CALFED Bay-Delta Program is to develop and implement (emphasis added) a long-term comprehensive plan that will restore ecological health and improve water management for beneficial uses of the Bay-Delta System.

Staffing Changes

As is inevitable with most transitions some staff have moved on, some have new assignments, and we have welcomed others as new staff. Wendy Halverson Martin (formally the Restoration Coordinator) is now the Program's Deputy Director. Kate Hansel is now Assistant Director for Finance and Policy Coordination. Margaret Gidding is the Program's new public information officer; she was formally with the California Public Utilities Commission. John Andrew, the new program manager of the Drinking Water Quality Program, was formally with the Department of Water Resources and the Department of Health Services. Terry Mills has replaced Wendy Halverson Martin as the Restoration Coordinator. Dick Daniel retired from state service this fall. Dennis Majors (Metropolitan Water District) is the program manager for the Delta Improvements Branch. Sam Luoma (USGS) is the Program's Interim Lead Scientist. Kim Taylor (USGS), is the program manager for the newly formed Science Program. The CALFED Program has also formed an Environmental Compliance Branch, and Rick Breitenbach is the program manager. Mr. Breitenbach is also coordinating CALFED agency meetings, as Mary Selkirk has moved on to consult for the Department of Water Resources. Richard Hunn (with CH2MHill) is heading up our water transfers effort; he replaces Greg Young who has moved on to IAQUA, an internet based company.

Legislative Update

Since the last meeting of the Bay-Delta Advisory Council in May, both the state Legislature and Congress have concluded their legislative business for the year.

State Legislature Action

Legislative Oversight. The state Legislature continued its oversight of development of the program by holding two informational hearings: on May 31, 2000, by the Senate Select Committee on CALFED Water Program (Johannessen, chair), and on June 13, 2000, by the Assembly Committee on Water, Parks and Wildlife (Machado, chair).

Legislative Audit. In June, the Bureau of State Audits released its report on land acquisition activities of CALFED and CALFED agencies (*California's Wildlife Habitat and Ecosystem:*

The State Needs to Improve Its Land Acquisition Planning and Oversight, June 2000, Report No. 2000-101). This report contains several recommendations on approaches that would tend to strengthen coordination of land management activities among state natural resource management agencies

Program Funding. In the Budget Act of 2000, the state Legislature appropriated funds to various State government agencies for further development and implementation of the CALFED Bay-Delta Program. The Budget Act includes several provisions relating to use of these appropriations and to future budgets. The Budget Act divides a \$20 million appropriation for the CALFED Integrated Storage Investigation into seven functional subcategories. Additionally, the Budget Act provides that a \$10 million appropriation to DWR for water management (water acquisition) and a \$125 million appropriation for multiple program elements may be expended only after a separate statute is enacted certifying that the projects or purposes for which the funds are expended are consistent with the programmatic EIS/EIR as certified by the state lead agency. The Legislature considered, but did not pass, a measure to provide that certification (SB 1586, Costa). The Budget Act also includes a statement of the Legislature's intent that future budget proposals from the Administration will contain a table displaying budget proposals for all CALFED-related activities.

Program Governance Legislation. The state Legislature considered but did not pass a measure to create a formal structure in State statute for governance of the CALFED Bay-Delta Program. (SB 2042, Johnston).

Congressional Action

Congress continued its oversight activities by holding a oversight hearing on June 29, 2000, by the House Committee on Resources, Subcommittee on Water and Power (Doolittle, chair).

The authorization for federal appropriations under the Federal Bay-Delta Act (Public Law 104-333, §1101) expired in federal fiscal year 2000. **As of November 1, 2000, Congress was still considering** a House measure to extend and revise the authorization for the CALFED Bay-Delta Program. (H.R. 5130, Doolittle). Congress considered but did not pass the President's budget proposals, to be included in the Energy and Water Development Appropriations bill, for a three year extension in authorization provided by the Bay-Delta Act and for a \$60 million appropriation to the Department of the Interior under that and other federal laws. In the Energy and Water Development Appropriations Act for 2001 (Public Law 106-377), Congress did appropriate funds for various projects and programs that are included in the CALFED Bay-Delta Program Record of Decision.

Tribal Participation

CALFED Program and agency staff are discussing with tribal representatives ways to effectively implement CALFED agency commitments to tribal governments in the ROD. Staff met with Tribal representatives on October 16, 2000, to exchange information on the topic. Tribal representatives suggested that consultation begin as early as possible with Tribes to ensure that issues are adequately addressed. The meeting helped to prepare attendees for a formal consultation between the federal and tribal governments, scheduled for November 9, 2000. The purpose of the November 9 consultation is to address CALFED related issues in the context of broader statewide consultation issues, such as the status of tribal water rights settlements. The consultation will be opened by Deputy Secretary David Hayes and EPA Regional Administrator, Felicia Marcus.

Environmental Justice Update

The Record of Decision includes commitments by the CALFED agencies to address a range of environmental justice issues in the context of CALFED program implementation. Most notably, the agencies agreed to collaborate with environmental justice and community stakeholders to develop a comprehensive environmental justice workplan across all program areas. In that regard, the agencies and I are working to designate an interim environmental justice coordinator responsible for leading the workplan development process. We expect to initiate those discussions with environmental justice and community representatives, CALFED program managers, and all appropriate agencies by mid-November 2000.

Litigation

Following the certification of the final Programmatic EIS/EIR, three lawsuits were filed challenging the adequacy of that document. The suits, one filed by Regional Council of Rural Counties, Central and South Delta Water Agencies, and several individuals, the second by the Municipal Water District of Orange County, and the third by the California Farm Bureau Federation and several individuals, all seek a revised or new EIS/EIR and a halt to program implementation until such a document has been completed.

The state and federal CALFED agencies are coordinating their defense of the EIS/EIR, and proceeding with implementing the Preferred Program Alternative.

Program Elements

Science Program

The Science Program will provide the new information and scientific interpretations necessary to implement, monitor, and evaluate the success of CALFED Program actions and guide future decision-making.

The long-term goal of the Science Program is to establish a body of knowledge that is – both in perception and reality – unbiased, relevant, and authoritative, integrated across program elements, and communicated to the scientific community, CALFED agency managers, stakeholders, and the public.

The Science Program's implementation strategy began with hiring a lead scientist. Guided by the ROD, the lead scientist will identify the role of science in CALFED, establishing the level of world-class science called for in the ROD. The lead scientist will establish the roles of committees, identify and hire key Science Program staff, and communicate the role of science in CALFED to CALFED staff, agencies, stakeholders and universities. To assure the quality of science, CALFED will look outside the program for ideas and peer review. Traditional scientific mechanisms will be incorporated. To clarify the scientific discussions, five approaches of science will be focused on: adaptive management, monitoring programs, interdisciplinary resolution of critical unknown facts and integrating those resolutions into the knowledge system, technical panels to evaluate and characterize critical issues, and results of the science communicated to both the scientific and general public communities.

In addition to hiring a lead scientist, CALFED has hired a program manager and associate program manager. The staff has worked diligently to get the Science Program moving forward in meeting its other goals. The lead scientist is talking with CALFED Program staff, agencies and stakeholders about how the Science Program will take shape. Formation of several boards, panels and oversight committees are on schedule, including identifying potential members and their roles.

Other Science Program accomplishments include (1) establishing a process to incorporate peer review into the CALFED Science Program; refining the competitive grants program; defining a science plan for each CALFED program; and defining the role of the Interagency Ecological Program.

Finally, the CALFED Science Conference in early October 2000, was attended by more than 500 scientists and managers who listened to more than 100 presentations relating to science and Bay-Delta issues. The conference illustrated the successful integration of science into the CALFED Program.

The *Veale-Byron Tract Project* will study the extent to which agricultural drainage, and floodwaters containing agricultural runoff, can be reduced or relocated in the Delta. Reducing these potential sources of contaminants from Veale and Byron Tracts could improve water quality at the intakes for the Contra Costa Water District, which provides drinking water to 400,000 people.

The *Real-Time Water Quality Monitoring Project* will provide better and quicker measurements of organic carbon at key locations in the Delta. This study will also provide a water quality baseline that will be the foundation for future CALFED actions and decision-making.

The *Salinity and Selenium Project* will fund construction of a pilot plant that will experiment with purifying salts for the treatment of agricultural drainage.

A study of the *sources and magnitudes of contaminant loads in Delta water* will also contribute to CALFED's water quality baseline of contaminants in drinking water, from which the effects of CALFED actions can be measured.

For next year's projects, DWQP, working closely with the Drinking Water Constituents Workgroup, has drafted a solicitation process to support CALFED actions that focus on cost-effective improvements in source water quality, advancements in treatment technology, and innovations in water management. Furthermore, DWQP will support health effects research of Delta drinking water, and will perform comprehensive monitoring and assessment of Delta drinking water quality.

Program staff are also working with DHS, SWRCB, and USEPA to develop a recommendation to Policy Group, in the form of a separate Memorandum of Understanding, on future DWQP management. The Delta Drinking Water Council met on July 5, 2000, at which time it primarily reviewed current year projects and the future solicitation process for new projects.

Delta Improvements

Conveyance

Flexible and efficient movement of water through the Bay-Delta System - conveyance - is integral to achieving CALFED's water supply reliability goals. Modification of the existing conveyance system also benefits the ecosystem, water quality, and levee integrity within the Bay-Delta system. CALFED is on track towards meeting goals for through-Delta conveyance as outlined in the ROD. The specific goals outlined in the ROD were met for both north and South Delta conveyance, and operation of the temporary barriers continued.

The goal for Delta conveyance is to identify and implement conveyance features that will improve water supply reliability for in-Delta and export users, support continuous improvement in drinking water quality and complement ecosystem restoration. To accomplish this, improvement are needed in the pumping operations of the State Water Project (SWP) export

facilities to reliably provide diversion capability up to 10,300 cubic feet per second (cfs). Improvements are also needed at the Central Valley Project's (CVP) fish facility at Tracy to upgrade the 4,600 cfs fish facilities. Agricultural and fish barriers are needed to enhance diversion capabilities by south Delta farmers and enhance fish migration. Dredging is planned to improve channel depth and water flow for navigation and agricultural purposes. The goals for North Delta improvements are designed to address flood control, water quality, fisheries enhancement and water supply reliability.

The ROD adopts a through-Delta approach for water conveyance improvement and water quality enhancement. The strategy is to expediently implement the Ecosystem Restoration Program in the Delta to improve its ecological health prior to or concurrent with significant construction actions and to obtain scientific data on the best operational practices for fish protection and transport. This is best illustrated with the Bureau of Reclamation's Tracy Fish Test Facility (TFTF), which, when completed in early 2003, will be the most advanced test facility of its kind, providing research data of other screening facilities in the Delta. CALFED will be able to determine the best methods of protecting fish near pumping intakes and for handling and transporting fish from the screening facilities.

Proposed north Delta improvements include modifying and improving Delta Cross Channel gate operations, dredging and/or setback levees on the Mokelumne River, and creating additional floodplain, wildlife, and fish habitat. CALFED also will study and evaluate a screened through-Delta diversion facility on the Sacramento River with a range of diversion capacities up to 4,000 cfs. Actions in the Delta Cross Channel to improve steelhead and salmon survival are also under consideration.

Three specific goals were met by October 2000. First, a specific study plan was developed and studies were funded to evaluate improved operational procedures for the Delta Cross Channel and a screened through-Delta facility. Second, operational studies began addressing fishery and water quality concerns for the Delta Cross Channel in the north Delta region. Third, the TFTF achieved 80 percent design completion, leading to construction completion by early 2003.

CALFED staff anticipates meeting three additional goals by the end of December 2000. These are (1) initiating studies of potential infrastructure improvements in the Eastern San Joaquin Valley (Sierra Nevada) watershed; (2) taking action to safeguard navigation and local diverters not adequately protected by the temporary barriers program; and (3) installing and operating temporary barriers until fully operable barriers are constructed under the South Delta Improvement Program. A north Delta solicitation package for environmental document preparation was completed, and the contract award is anticipated by December 31, 2000.

Complementary to the CALFED work is the U.S. Army Corp of Engineers Comprehensive Flood Control Study, which will include flood control and ecosystem restoration

actions within San Joaquin and Sacramento River watersheds, including portions of the Delta. CALFED has initiated coordination meetings with the USACE.

The South Delta Improvements Team (SDIT) has met regularly to discuss and resolve water quality, water supply and ecosystem restoration issues. Members of the team include local, state, and federal agencies. Public meetings are conducted quarterly in the South Delta to address agricultural, recreational, land use and CALFED capital improvement issues. The North Delta Improvements Team (NDIT) also meets regularly and has produced a white paper about North Delta improvements that are to be considered in the EIS/EIR. The North Delta Stakeholders Group has met periodically to identify important agency issues to consider in developing an action plan.

The next steps for the south Delta improvements are completing environmental documentation for the proposed South Delta Improvements Project (permanent barriers and new Clifton Court intakes and fish screens) and start of construction on the TFTF to reach completion by early 2003. In the north Delta, upcoming actions include undertaking fisheries study work and successfully completing the environmental documentation for flood control and ecosystem restoration actions along the Mokelumne River.

Attached to the Director's report is additional detail on the Tracy Fish Facility, the Delta Cross Channel, and a screened through-Delta Facility.

Levees Program

Over the past several months the "Levee System Integrity Program Plan" was finalized. As well, Levee Program staff initiated actions to complete Levee Program commitments outlined in the ROD and Framework. The ROD specifies that "DWR and the USACE will develop a recommendation to the Policy Group by February 1, 2001, in coordination with other interested agencies and stakeholders, that describes how the Levee Program will be co-managed and responsibilities distributed." The Levee Program has initiated and will facilitate discussion between the USACE and DWR to meet this commitment. The Levee Program has initiated actions to refine the Delta Emergency Management Plan. The Levee Program has issued a solicitation for a consultant to develop the Delta Risk Management Strategy and anticipates contract award by the end of the year 2000. Levee Program staff is currently participating in the Delta Dredge and Reuse Strategy that will lead to development of Best Management Practices for reuse of dredged materials by 2001. The Levee Program is coordinating with the Comprehensive Study so that Levee Program and Comprehensive Study actions will be consistent.

The "Levee System Integrity Program Plan" was developed with extensive stakeholder input. The Levees and Channels Technical Team provided primary input and oversight of the Plan's preparation. Focused sub-teams provided input and oversight of more specific sections of

the report. These included the Emergency Response subteam, the Subsidence subteam, the Seismic subteam, and the Suisun Marsh Investigation Team, which performed extensive public outreach through workshops with Suisun Marsh landowners.

Watershed Program

Since May 2000 the Watershed Program has finalized the programmatic Watershed Program Plan, developed an initial strategy to guide program implementation, and completed all preparations for the Program's first year of implementation.

The Watershed Program has developed an initial strategy that will guide program implementation for the first two to three years. The stated purpose of this strategy "is to demonstrate the value and contributions of watershed management using a community based and locally led approach to achieving CALFED goals for the Bay Delta system and broader solution area." This strategy will be executed using the technical and financial resources made available by the state and federal governments to implement the program.

CALFED has initiated actions to complete Watershed Program commitments in the ROD and Framework. Key actions completed include: 1) reformation of the Interagency Watershed Advisory Team (IWAT); 2) development of all components of a grant solicitation process (in preparation for a 2001 solicitation for proposals); and 3) negotiations and budget actions with state and federal agencies to carry out the technical assistance component of the program.

The programmatic plan, initial implementation strategy, and all other aspects of the Watershed Program have been developed with extensive stakeholder involvement. The primary point of contact for stakeholder involvement is the Bay-Delta Advisory Council's Watershed Workgroup Group. This workgroup has attracted over 400 different participants, most of these participants are actively involved with the program, advising on both the planning and early implementation activities of the program.

The Watershed Workgroup has also been a primary forum for engaging the Environmental Justice community and Tribes on CALFED Bay-Delta Program development.

Water Management

Water Use Efficiency

The CALFED Water Use Efficiency (WUE) Program is one of the cornerstones of CALFED's water management strategy. The WUE Program is unique nationally in its magnitude and its aggressive approach to water management. Elements of the WUE Program include agricultural, urban, water recycling, and managed refuges. The WUE Program is based

on the recognition that although efficiency measures are implemented locally and regionally, the benefits accrue at local, regional and statewide levels.

The July 2000 WUE Program Plan and several related accomplishments were completed this year. This includes significant progress on the agricultural quantifiable objectives and urban BMP certification process.

CALFED agencies also initiated seven WUE pilot projects: three urban pilot projects (Chino Basin Urban Water Use Efficiency Project by Inland Empire Utilities Agency, \$125,000; Water Consumption Controller by Municipal Water District of Orange County, \$200,000; and River Park Water Use Efficiency Project by the City of Sacramento, \$150,000) and four agricultural projects (Yolo Resource Management Monitoring & Extension by the Yolo County RCD, \$200,000; Irrigation District Rapid Assessment by Cal Poly Irrigation Training and Research Center, \$35,000; Rapid Canal Seepage Assessment by the Center for Irrigation Technology, \$98,000; and West Stanislaus Erosion Control Quantification by West Stanislaus RCD, \$125,000).

Stakeholders contributed immensely to developing the WUE Program. Much of their participation was through steering and ad hoc committees and work groups. Examples include the Agricultural WUE Steering Committee, a consensus-based advisory group that included agricultural, environmental, CALFED agency, and Agricultural Water Management Council representatives. This steering committee provided advice and key concepts to the agricultural portions of the WUE Program. Similar input was gathered through the Urban Ad Hoc WUE Committee and the Recycling Ad Hoc Committee. In addition to periodic meetings of stakeholder committees, CALFED staff also conducted meetings and workshops as necessary to disseminate recent results and solicit input. For example, three technical workshops were conducted in October to provide the status and background to develop the agricultural quantifiable objectives.

Critical tasks for 2001 include refining planning tasks and initiating actions called for in the ROD. Continuing efforts include refining agricultural quantifiable objectives, the urban BMP certification process, and more detailed milestones to achieving WUE goals. New tasks include convening an expert panel to define appropriate measurement, releasing a prototype grant Request For Proposal (deadline of December 31, 2000), developing and implementing technical assistance programs, and preparation of a WUE Program Implementation Plan (ROD deadline of December 31, 2000).

The ROD also calls for creation of a Water Use Efficiency Public Advisory Committee (WUE-PAC) by December 2000. In developing the proposed WUE-PAC, staff has attempted to balance the following objectives:

1. Comply with ROD commitments and state and federal advisory committee meeting regulations;
2. Design a stakeholder process that will encourage the WUE-PAC to advise CALFED on the development of policy issues rather than reacting to staff generated material; and
3. Learn the lessons of successful stakeholder efforts such as the Agricultural Water Use Efficiency Steering Committee.

The purpose of the WUE-PAC will be to help CALFED agencies meet the Water Use Efficiency goals stated in ROD by providing advice on policy issues. Anticipated WUE-PAC issues include selection criteria and priorities for incentive program (Loans and Grants); appropriate division of funding across WUE components; emphasis, priorities, and general approach to technical assistance and research; appropriate measurement of water user; and water use efficiency assurances.

The WUE-PAC is expected to have ten to sixteen members and include representatives of the following stakeholder groups:

- Water Supplier, California Urban Water Conservation Council, and Agricultural Water Management Council (total of three to five members)
 - Ag
 - Recycling
 - Urban
- Environmental Interest (total of two to three members)
- Public Interest (total of three to four members)
 - Ag Water User
 - Recycling Water User
 - Urban Water User
 - Environmental Justice
 - Tribal
- CALFED Agency (total of two to four members) [CALFED Program staff is facilitator, not member]
 - USBR
 - EPA
 - NRCS
 - DWR
 - SWRCB
 - CDFA

A detailed description of the WUE-PAC will be distributed at the November 15 BDAC meeting for your review. In order to meet our tight timeframe, program staff request comments of the description and suggestions of members by December 1, 2000.

Water Transfers

The Program has the goal of completing several tasks to implement the Water Transfers Program: provide an operational On-Tap website, develop a streamlined transfer approval process, establish a California Water Transfers Information Clearinghouse and increase the availability of existing facilities for water transfers.

The program expects the On-Tap website to be operational by the end of 2000. We are consulting with individual stakeholders, sponsoring concept briefings and seeking public input during the design of the site. Also by the end of the year, CALFED expects to receive recommendations from a Water Transfers Work Group, formed by the State Water Resources Control Board, for streamlining the water transfer approval process. The recommendations will be forwarded to the CALFED agencies. After a general plan and process is adopted by the agencies, geographically specific plans and processes will be developed by the Program and regionally based stakeholders.

In 2001, the agencies will establish a California Water Transfers Information Clearinghouse. The U.S. Bureau of Reclamation, Department of Water Resources, and State Water Resources Control Board will establish an agreement for implementing, managing and maintaining the clearinghouse. Also, in 2001 the Program will work with the Legislature and stakeholders to develop legislation for facilitating transfers using existing water storage and conveyance facilities.

Water Supply Reliability

Over the past several months, CALFED and CALFED agencies have taken a number of specific actions towards fulfilling the water supply reliability commitments described in the Programmatic ROD. CALFED, together with DWR and USBR, are progressing with studies of new surface storage, working with local agencies to develop agreements for cooperative studies of basin-wide conjunctive management, implementing groundwater conjunctive use financial assistance programs, and continuing efforts to develop an evaluation framework to help decision-makers in future refinements of the CALFED Water Management Strategy. Moreover, Governor Davis has convened a panel, chaired by the Director of DWR, for the purpose of developing a contingency plan to reduce the impacts of critical water shortages primarily for agricultural and urban water users.

Surface Storage. The Final Programmatic EIS/EIR identified 12 potential surface reservoir sites that may be consistent with CALFED objectives. Based upon the work of the Integrated Storage Investigation and previous studies and as defined in the Programmatic ROD, DWR and USBR are working with other CALFED Agencies to take the necessary steps to pursue expansion Shasta Lake and Los Vaqueros Reservoir and construction of a new in-Delta storage facility, with a combined capacity of 950 TAF. DWR and USBR are also studying the potential for an

off-stream storage reservoir in the Sacramento Valley and additional surface storage in the upper San Joaquin watershed. However, these two additional storage facilities will require substantial technical work and further environmental review and development of cost-sharing agreements before decisions to pursue them as part of the CALFED Program.

Groundwater Storage. The Programmatic ROD includes a commitment to facilitate and fund locally supported, managed and controlled groundwater and conjunctive use projects with a total of 500 TAF to 1 MAF of additional storage capacity by 2007. It is CALFED's intent to support voluntary, locally controlled groundwater projects which are designed to address local water needs first, before considering regional or statewide benefits. DWR is currently working with local agencies and stakeholders to develop agreements for joint planning for conjunctive management on a sub-basin level. DWR, in cooperation with CALFED, is developing selection criteria and an application process for financial assistance programs for conjunctive use projects as authorized by Proposition 13. CALFED also recently announced its intention to provide funding for five conjunctive use projects with a total of \$2.15 million of federal funds, through the 2000 Conjunctive Use Grant Application Process. The five selected projects are: Kern-Tulare Conjunctive Use Project; Anderson-Cottonwood Irrigation District CU Program; City of Tracy Aquifer Storage and Recovery Project; Murphy Crossing Project; and the North San Joaquin Water Conservation District Pilot Recharge Project.

Water Management Strategy Evaluation Framework. As described to BDAC earlier this year, CALFED has developed an initial Evaluation Framework as a tool to assist decision-makers in refining CALFED's Water Management Strategy throughout Program implementation. The WMS Evaluation Framework includes defined water supply reliability objectives and performance measures to help gage progress towards meeting those objectives. It also includes analytical tools, such as socio-economic information, that can be used to predict the performance of water use efficiency, water transfer, conveyance, and storage actions and operational strategies. Performance of these different actions and strategies can be compared to illustrate tradeoffs associated with different approaches to meeting Program objectives. CALFED has completed the hydrologic and economic modeling required for an initial comprehensive evaluation of a set of example actions and is currently working on evaluating the resulting data. This effort has revealed a number of issues related to data management and communication among hydrologic and economic models.

CALFED is currently drafting a report expected in early 2001 to document this initial effort and provide recommendations for improving the analytical processes. CALFED intends to continue to refine the Evaluation Framework to improve its value as a tool to decision-makers.

Ecosystem Restoration Program

Single Blueprint for Restoration and Recovery

Background. The CALFED agencies have established through the Ecosystem Restoration Program (ERP) and the Multi-Species Conservation Strategy (MSCS), a single blueprint for restoration and species recovery within the geographic focus area of the ERP.

The ERP will be informed by the Science Program, which will monitor and evaluate the implementation of the ERP actions and conduct pertinent research. The ERP and Science Program are important for Federal Endangered Species Act (FESA), California Endangered Species Act (CESA), and Natural Community Conservation Plan (NCCP) compliance. To insure that the ERP is implemented in a manner and to an extent sufficient to sustain programmatic FESA, CESA, and NCCP compliance for all program elements, the U.S. Fish and Wildlife Service (USFWS), National Marine Fisheries Service (NMFS), and the California Department of Fish and Game (CDFG) have developed MSCS-ERP milestones. The three agencies have concluded the milestones, if achieved as specified in the Programmatic Regulatory Determinations, define a manner and level of ERP implementation in Stage 1 sufficient to achieve MSCS species goals. The three agencies expect and intend that MSCS-ERP milestones will be achieved with annual ERP funding of \$150 million. As the three agencies pointed out, there may be many ways to achieve the desired dedicated funding levels of at least \$150 million.

Funding. The attached table (Attachment 2) provides a brief description of the potential sources of funding and related funding levels to attain or exceed \$150 million. Identified fund sources that contribute to the \$150 million include Propositions 204, 12, and 13, and a portion of the Central Valley Project Improvement Act (CVPIA) Restoration Fund. Other fund sources that contribute to the single blueprint but do not contribute to the \$150 million are provided to display the breadth of environmental restoration in the Central Valley. These sources include portions of the CVPIA Restoration Fund and Water and Related Issues Funds, State Water Contractor (four Pumps) funds, and Tracy Agreement funds. Elements of the ERP program are described in more detail in the narrative.

Determining Progress toward Milestones. A determination will be required to establish if there has been substantial progress toward achieving the MSCS-ERP Milestones. This process will include a collaborative effort of the three agencies (USFWS, NMFS, CDFG), the ERP and the Science Program to develop and implement a suitable annual approach to the Milestone progress determination. Conceptually, the effort will include: 1) developing and reviewing annual and longer-term ERP implementation priorities and restoration strategies; 2) developing annual implementation plans consistent with the single blueprint approach; and 3) assessing the implementation and performance of ERP actions, including measuring progress toward achieving the MSCS-ERP milestones.

Attachment 1
Delta Improvements

The BDAC Chair's and Vice Chair's Recommendation on the CALFED Solution (May 24, 2000) included extensive suggestions for improving conveyance. Provided below is a detailed description of north and south Delta conveyance actions that are underway.

Tracy Fish Test Facility - The Tracy Fish Facilities Improvement Program, which includes physical modification, monitoring, and basic research on best improvement actions for fish screening and salvaging, is in the process of developing a test facility to evaluate fish screening technologies. The test facility is being designed to evaluate the various challenges to developing an effective fish facility. Those challenges include debris management; tidal influences; varying and complex fish resource requirements; predator management; and requirements for collecting, sorting, holding, and transporting fish. A Draft EA/IS was distributed to the public, and public workshops were held in August. The Final EA/IS will be distributed in December. The facility is being designed under the oversight of an agency/stakeholder technical team. It is being designed for 500 cubic feet per second (cfs), and will include headworks and trash racks; test channel and screen/louver combinations; two bypasses; active driven lifts and gravity flow bypass; up to two fish separators/holding facilities; testing and evaluation facilities; and truck transfer facilities. Construction is anticipated to begin early in 2001 and be completed in early 2003. The research and evaluation will commence, with the first priority to provide information that can be used in designing the fish facilities at the head of Clifton Court Forebay.

Delta Cross Channel (DCC) and Screened Through Delta Facility (TDF) - There are three requirements specified by the ROD that were to be completed in October 2000 for the DCC and TDF:

1. A specific study plan will be developed for a thorough assessment of the DCC and a thorough evaluation of the technical viability of a screened through-Delta facility.
2. Fund and begin studies through CALFED agency appropriations for the DCC and the technical viability of a screened through-Delta Facility.
3. Begin operational studies to address fishery and water quality concerns (such as more intense fish monitoring on both sides of the DCC, opening and closing the gates on tidal cycles, etc.).

This fall the CALFED DCC Project Work Team (DCC PWT) is meeting requirement 2 and 3. This team was formed by the Interagency Ecological Program (IEP) to develop a plan of operations of the DCC for Fall 2000 that would address the water quality and fishery concerns raised in the Fall of 1999. The team is now conducting a series of studies and experiments that are expected to greatly reduce the uncertainties surrounding these issues and provide a solid basis both for DCC operations later this year and serve as pilot studies for many of the studies proposed in CALFED's Study Plan. These studies are funded by CALFED agency appropriations with the CALFED's Delta Cross Channel Through Delta Facility (DCCTDF)

project teams oversight and coordination. Hydrodynamic and water quality monitoring of DCC tidal operations are occurring in September of this year. In November and December, juvenile and adult fish tracking studies are being conducted under tidal operations. The general work plan for these pilot studies and corresponding agency contact amounts are summarized in the October 13, 2000, DCC PWT document, "INTENSE STUDY PLAN FOR DELTA CROSS CHANNEL FALL OPERATIONS".

CALFED's study plan, "DRAFT STUDY PLAN TO EVALUATE IMPROVED OPERATIONAL PROCEDURES FOR THE DELTA CROSS CHANNEL AND A SCREENED THROUGH-DELTA FACILITY (October 18, 2000)" was prepared by the DCCTDF project team and is directed towards requirements 2 and 3 above. It addresses the questions and proposed studies that will be conducted over the next three years so that specific recommendations can be made to management on the DCC and the screened through-Delta facility by the end of 2003.

These study plans were prepared by agency/stakeholder teams and presented to management on October 24. They were reviewed in detail at a public workshop on October 27, 2000. Comments from the workshop are being incorporated into the work plan, and the revised study plan will be sent to the workshop participants in November. The Science review process will be conducted in November and December 2000. Using the science reviewed study plans and the results of the fall pilot results as a guide, the DCTDF Project Team will develop detailed work plans for 2001.

TABLE 1. Single Blueprint for Restoration and Recovery
Funding Sources and Amounts
(dollars in thousands)

Program	State				CVPIA			Federal ³	Total
	Prop 204	State/Fed CALFED Funds	Prop 12	Prop 13	General Fund	SWP ¹	Restoration Fund	Water & Related Issues	Prop 204 ²
Contributes to the \$150 Million									
2001 Proposal Solicitation (CALFED)	\$100,000								\$100,000
Adaptive Management Implementation	\$5,000								\$5,000
Planning- Ecosystem Restoration Program	\$3,700	\$1,000							\$4,700
Implementation- Ecosystem Restoration Program	\$1,050								\$1,050
Ecosystem Water Quality- Ecosystem Restoration Program	\$4,527								\$4,527
Upper Yuba River Studies Program	\$6,700								\$6,700
Science Element in 2001 Blueprint for Restoration	\$10,000								\$10,000
Communication and Outreach	\$200								\$200
Subtotal	\$131,177	\$1,000							
3% Administrative Cost	\$3,935								\$3,935
5% Restoration Reserve	\$6,559								\$6,559
1.5% Bond Sale Fee	\$1,968								\$1,968
Ecosystem Restoration Program Management	\$1,500								\$1,500
Ecosystem Restoration Oversight and Coordination		\$100							\$100
Subtotal	\$13,962	\$100							
Prop 12			\$13,000						\$13,000
Prop 13				\$25,000					\$25,000
2001 Proposal Solicitation (AFRP)							\$3,700		\$3,700
Implement 3406b							\$11,300		\$11,300
Implement 3406b								\$6,333	\$6,333
Total	\$145,139	\$1,100	\$13,000	\$25,000	\$0	\$0	\$15,000	\$0	\$205,572

Program	State					CVPIA			Federal ³	Total
	Prop 204	State/Fed CALFED Funds	Prop 12	Prop 13	General Fund	SWP ¹	Restoration Fund	Water & Related Issues		
Contributes to Single Blueprint But Not Included in \$150 Million										
Implement 3406b								\$14,216		\$14,216
Implement 3406b								\$7,650		\$7,650
State Cost Share									\$2,000	\$2,000
Four Pumps							\$3,700			\$3,700
Tracy Fish Facility Collection Mitigation Program										\$1,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$3,700	\$14,216	\$7,650	\$2,000
Grand Total	\$145,139	\$1,100	\$13,000	\$25,000	\$0	\$0	\$3,700	\$29,216	\$7,650	\$8,333
¹ State Water Contractors										
² State cost share for CVPIA (Prop 204).										
³ Federal funding of Tracy Agreement (Water and Related Resources).										

Ecosystem Restoration Program Narrative Descriptions

PROGRAM ELEMENTS THAT CONTRIBUTE TO THE \$150 MILLION 2001 PROPOSAL SOLICITATION (\$100,000,000)

As part of the 2001 proposal solicitation the interagency/stakeholder Selection Committee has developed a draft set of proposals recommended for funding.

ADAPTIVE MANAGEMENT IMPLEMENTATION (\$5,000,000)

The Science Program and Science Board have observed that an opportunity exists to enhance the adaptive management component of funded projects. This effort is to review projects approved for funding and to select those which have an adaptive management component that can be enriched or enhanced by additional funding. The overall intent is to maximize the information richness of projects funded through the Proposal Solicitation Process.

ECOSYSTEM RESTORATION PLANNING UNIT (\$4,700,000)

This includes strategic planning activities, technical investigations to support adaptive management, and scientific review and technical workshops. CALFED's broad transition from the planning to implementation stage stimulates the need to accelerate strategic planning activities to prepare for the implementation of hundreds of ERP actions. The ERP will continue or initiate several technical investigations and planning support studies to further develop the Program's adaptive management approach. The ERP is committed to sound science in the refinement and implementation of the ERP, and the cornerstone of a sound scientific process is scientific review. The ERP will continue the ERP Science Board, which has already been instrumental in building public confidence in the ERP process. The ERP will also convene scientific and technical workshops to tackle key uncertainties that the ERP must address. (\$3.7 million is identified as Prop 204 and \$1 million as State/Federal CALFED funds.)

ECOSYSTEM RESTORATION IMPLEMENTATION UNIT (\$1,050,000)

Representatives of the State Attorney General's office assist in the review of all aspects of the Implementation Program, including developing the Annual Implementation Plan and Proposal Solicitation Package, proposal review, contract development, contract management and oversight, conflict of interest, and coordination with federal legal counsel. The ERP develops an annual Proposal Solicitation package (PSP) to help identify projects to be funded from Prop 204 and federal appropriations. As part of the implementation of a multi-step proposal review process, CALFED has a contract with UC Davis Review Office to manage and oversee technical and scientific review of proposals submitted under the annual PSP. CALFED will develop a contract to plan and design a comprehensive project tracking database. The database will include general project information, programmatic and fiscal status, deliverable timelines and links to project products and develop GIS overlays and to provide public accessibility to geospatial (maps) and other project information.

ECOSYSTEM WATER QUALITY UNIT (\$4,527,000)

This includes pesticides, selenium, dissolved oxygen and toxicity of unknown origin. CALFED will be preparing to implement dormant spray management practices that reduce pesticide toxicity in storm water, as determined through a previous PSP study. CALFED also needs to partner with an urban agency to develop/implement urban pesticide toxicity reduction measures. For selenium, CALFED proposes to fund a gaming exercise of the real time monitoring system. The gaming is intended to take the real time monitoring program and subject it to real world data of flows on the San Joaquin River and irrigation return rates of a real drainage district for the same time period. The resulting information will help to specify what, if any, additional facilities are needed for a drainage district to participate in this program to reduce salinity/selenium concentrations in the river. The PSP process funded a one year investigation of sources and causes of low DO in the San Joaquin River near Stockton. An additional two years of investigation are needed. For unknown toxicity, we will fund additional sampling and conduct toxicity identification evaluations (TIE) on samples that test toxic.

Mercury, biomarkers and emerging chemicals are addressed as well to complement other ongoing efforts and to initiate efforts in areas lacking information. Part of this is to prepare priorities on mined areas in need of remediation. The remaining gaps in scientific knowledge relate to development of performance measures for restoration and remediation, understanding baseline mercury concentrations and methylation where restoration is being proposed, monitoring the status and trends of bioaccumulation and mercury fate and transport, methylation processes in targeted environments, and distribution along different branches of food webs. For biomarkers and other indicators, work is needed to better understand what causes fish mortality, especially in the Central Delta, and general effects of contaminants on the food webs that lead to fish and birds in the Bay-Delta.

UPPER YUBA RIVER STUDIES PROGRAM (\$6,700,000)

The Upper Yuba River Studies Program is a collaborative effort to determine if the introduction of wild chinook salmon and steelhead trout to the upper Yuba River watershed is environmentally, biologically, and socio-economically feasible in the long term. The Upper Yuba Work Group has developed scopes of work to resolve uncertainties in a variety of issues including condition of habitat upstream and downstream of Englebright Dam on the Yuba River, sediment and water quality issues, water supply and hydropower impacts, impacts to downstream flood risk management, economic impacts, and social impact assessment.

Science Elements in 2001 Blueprint for Restoration and Recovery (\$10,000,000)

Important science elements include splittail life cycle and floodplain habitat management, South Delta barriers and ecosystem restoration, hydrodynamics and sediment transport, field studies to test interim performance measures for the Environmental Water Account, development of restoration strategies in rivers, and wetlands monitoring and interpretation of aquatic resources monitoring.

The Science Program is convening an expert panel to evaluate the state of knowledge on floodplain habitat management, with special consideration of splittail (i.e., How does CALFED optimally enhance splittail via floodplain management). A multi-discipline effort like that underway at the Delta Cross Channel is also needed in the South Delta to determine how specific barrier configurations and operations will affect processes with implications for restoration, such as water movement throughout the Delta, sediment fate, and the fate and transport of salts, nutrients, and contaminants.

Habitat restoration, levee configuration, and conveyance changes will all affect how water moves in the Delta with implications for drinking water quality as evidenced by last fall's Delta Cross Channel event and the discussion over levee breaches in Suisun Marsh. Understanding hydrodynamics in and through the Delta is also critical for constituents like sediment and pollutants that might be transported and or might impact restoration of shallow water habitat.

A standing technical committee will be constituted to work through a broader comparative analysis of available models. As part of the standard process, the committees will be identifying critical gaps in knowledge and propose studies to fill those gaps. High quality proposals will be solicited and funded if they pass the review process. A workshop on watershed wide sediment transport will also be initiated early in 2001 to stimulate greater interest in studies relating to this critical topic, and starting to link transport process and sediment budget information from the upper watersheds, Delta, and Bay.

To meet the ROD commitment, the Science Program will be organizing an expert scientific panel for the EWA to review conceptual models developed during the gaming exercises, develop of potential short, medium, and long-term performance measures for the EWA, and identify of critical information gaps that need to be filled to test and refine performance measures.

Regional scale monitoring is critical to evaluating the successes of the ERP. Initiation of the

monitoring defined in the Wetlands Goals project would also facilitate the initiation of a high quality monitoring effort. A specific proposal will be solicited in association with this plan. It is also important to sustain the momentum of the Terrestrial and Aquatic Monitoring Program (TAMP) group, with the objective of defining pilot sites to initiate their monitoring, in collaboration with the San Francisco Bay Area Wetlands Ecosystem Goals Project.

COMMUNICATION AND OUTREACH (\$200,000)

The scope of the Ecosystem Restoration Program and the high level of project implementation, research, and monitoring dictate that the ERP initiate a more comprehensive and robust communication and outreach program to communities, stakeholders, and organizations throughout the ERP focus area.

3% ADMINISTRATIVE COST (\$3,935,000)

Prop 204 specified that 3% of the total can be charged to administrative costs. This is used to administer Prop 204 contracts.

5% RESTORATION RESERVE (\$6,559,000)

A restoration reserve fund is maintained to cover unexpected adjustments to existing contracts.

1.5% BOND SALE FEE (\$1,968,000)

There is a charge to sell Prop 204 bonds. The State Controller and the bond broker are each allocated a portion of the 1.5%.

ECOSYSTEM RESTORATION PROGRAM MANAGEMENT (\$1,500,000)

ECOSYSTEM RESTORATION OVERSIGHT AND COORDINATION (\$100,000)

This provides funding for support of Ecosystem Restoration Program Staff. (\$1,500,000 is identified as Prop 204 and \$100,000 is identified as State/Federal CALFED funds).

PROPOSITION 12 (\$13,000,000)

Elements of Proposition 12 provide ecosystem benefits. The allocation of Prop 12 funds has not been completed and is presently unavailable.

PROPOSITION 13 (\$25,000,000)

Elements of Proposition 13 provide ecosystem benefits. The allocation of Prop 13 funds has not been completed and is presently unavailable.

2001 PROPOSAL SOLICITATION, AFRP 3406b(1) (\$3,700,000)

The Anadromous Fish Restoration Program of the CVPIA will fund projects from the 2001 PSP.

IMPLEMENT 3406b (Restoration Fund \$11,300,000)

Elements of the section 3406(b) of the CVPIA provide direct ecosystem benefits including items such as project planning for the AFRP, instream flow studies, San Joaquin River riparian restoration, dedicated yield (b)(2), monitoring (b)(2), ecosystem/water system operations model (VAMP), and land retirement.

STATE COST SHARE (PROP 204 \$6,333,000)

Prop 204 provides state cost share funds for elements of the CVPIA including Contra Costa Pumping Plant screens and ecosystem/water system operations model (VAMP)

PROGRAM ELEMENTS THAT CONTRIBUTE TO THE SINGLE BLUEPRINT BUT ARE NOT INCLUDED IN THE \$150 MILLION

IMPLEMENT 3406b (Restoration Fund \$14,216,000)

Elements that contribute to the single blueprint but do not contribute to the \$150 million include other CVP impacts, water acquisition for refuges, flow fluctuation study, Clear Creek restoration, spawning gravel/riparian habitat, Comprehensive Assessment and Monitoring Program, Anadromous Fish Screen Program, and agricultural waterfowl incentive program.

IMPLEMENT 3406b (Water and Related Issues \$7,650,000)

Elements that contribute to the single blueprint but do not contribute to the \$150 million include water acquisition, Tracy Pumping Plant, Contra Costa Pumping Plant, Red Bluff Diversion Dam, Coleman National Fish Hatchery, Clear Creek restoration, Old River Barrier, and Glen Colusa Irrigation District's Hamilton City pumping plant.

STATE COST SHARE (PROP 204 \$2,000,000)

Prop 204 provides state cost share funds for elements of the CVPIA that contribute to the single blue print but do not count to the \$150 million include state cost share for the Anadromous Fish Screen Program.

FOUR PUMPS (\$3,700,000)

Four Pumps projects that contribute to the single blueprint but do not contribute to the \$150 million include gravel restoration projects on the Merced River, Tuolumne River, Stanislaus River riparian diversion screening, and the revised Deer Creek Water Exchange Program.

TRACY FISH FACILITY COLLECTION MITIGATION PROGRAM (\$1,000,000)

Tracy Agreement projects that contribute to the single blueprint but do not contribute to the \$150 million include a variety of diversion screening projects, fish passage facilities and fish and wildlife law enforcement.



ECOSYSTEM RESTORATION PROGRAM



**CALFED
BAY-DELTA
PROGRAM**

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M e m o r a n d u m

Date: November 3, 2000

To: Bay-Delta Advisory Council

From: Patrick Wright
Director

Subject: Ecosystem Restoration Program Funding Package and Related Information Items

Summary

The Ecosystem Roundtable met on November 2, 2000, to comment on the Selection Panel recommendations for the 2001 Proposal Solicitation Package. Those comments will be provided to you via fax for your consideration at your November 15, 2000 meeting. We are asking that BDAC assess the Selection Panel Recommendation and Roundtable comments, from a policy perspective, for any holes or gaps in the overall funding package and areas for improvement for next year. Comments and advice from BDAC and the Roundtable will be forwarded to the Policy Group for consideration at their December 11 meeting.

Background

The Ecosystem Restoration Program received 140 proposals in response to this year's Proposal Solicitation Package. Those proposals underwent an extensive technical and scientific review process that culminated in an initial recommendation from the Selection Panel. Details of this process and the people involved were mailed to BDAC subsequent to the October 2 Roundtable meeting. The Selection Panel recommended 60 proposals as high priority for funding and 13 proposals as medium priority for funding. The 73 proposed projects total approximately \$104,000,000. This recommendation will be considered by the Ecosystem Roundtable on November 2nd and then forwarded to BDAC. Comments from BDAC and the Roundtable will be forwarded to Policy Group which will make a recommendation to the Secretary for Resources and Secretary of Interior.

CALFED Agencies

California The Resources Agency
Department of Fish and Game
Department of Water Resources
The Reclamation Board
California Environmental Protection Agency
State Water Resources Control Board
Department of Food and Agriculture
Delta Protection Commission

Federal Environmental Protection Agency
Department of the Interior
Fish and Wildlife Service
Bureau of Reclamation
U.S. Geological Survey
Bureau of Land Management
U.S. Army Corps of Engineers

Department of Agriculture
Natural Resources Conservation Service
U.S. Forest Service
Department of Commerce
National Marine Fisheries Service
Western Area Power Administration

Bay-Delta Advisory Council
November 3, 2000
Page 3

BDAC will also be briefed on additional activities that will occur within the Ecosystem Restoration Program this year. We are not asking for action on the overall ERP at this time.

Information from the Ecosystem Restoration Program is attached:

- Conflict of Interest
- Summary Graphics of 2001 PSP Selection Panel Recommendation
- 2001 Selection Panel Initial Recommendation (mailed to Council in October)
- October 2000 Status of Projects and Programs
- October 2000 Tracking Table
- Summaries from July 19 and October 2, 2000 Amendments Subcommittee Meetings
- Related Correspondence

Action

The CALFED Bay-Delta Program is asking for BDAC comments and advice on the initial 2001 Selection Panel Recommendation and the Ecosystem Roundtable comments.

BILL LOCKYER
Attorney General

State of California
DEPARTMENT OF JUSTICE



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November 6, 2000

Mike Madigan, Chairman
Bay-Delta Advisory Council

RE: Conflict of Interest

Dear Chairman Madigan:

At its November meeting, the Bay Delta Advisory Council will be asked to consider a set of ecosystem restoration proposals that have been recommended by the Ecosystem Roundtable for funding by the CALFED agencies. CALFED staff will ask BDAC members to comment on this package of proposals. If BDAC supports these proposals and the CALFED agencies approve funding, contracts will be made with the individual project proponents. Several provisions of California law govern this process. The issue of relevance to BDAC members is the prohibition on self-dealing contained in California Government Code section 1090.

The Government Code prohibits a public official from making a contract in which he or she is financially interested. The California Supreme Court described the purpose of section 1090 to make certain that "... every public officer be guided solely by the public interest, rather than by personal interest, when dealing with contracts in an official capacity. Resulting in substantial forfeiture, this remedy provides public officials with strong incentive to avoid conflict-of-interest situations scrupulously." (Thomson v. Call (1985) 38 Cal.3d 633, 650.)

Section 1090 provides that an officer or employee may not make a contract in which he or she is financially interested. Any participation by an officer or an employee in the process by which such a contract is developed, negotiated and executed is a violation of this provision. This prohibition applies to virtually all state and local officers, employees and multi-member bodies, whether elected or appointed. The law provides a list of "remote interests" that trigger abstention and "non-interests" that, once disclosed, generally do not prevent participation in the decision. These exceptions are narrow and very limited. In order to fit into one of these categories, officials must follow the process outlined to declare on the record a remote or non-interest.

Mike Madigan, Chairman

November 6, 2000

Page 2

The consequences of violating section 1090 are severe. A contract made in violation of this provision is void. In addition, any officer who is found guilty of willfully violating section 1090 is subject to civil and criminal fines and penalties. Additionally, such an individual is forever disqualified from holding any office in this state.

Therefore, prior to any discussion of the ecosystem projects, each BDAC member will have an opportunity to declare his or her remote on the record. Many of you have been through this exercise previously and consulted with your own attorneys. Others are relatively new to the BDAC process and this provision; I encourage you to consult with your own attorney.

I am happy to answer questions and help sort through this difficult, but important area of law with you. In general, if you or an organization with which you are associated or employed is applying for restoration funds, you should pay particular attention to this issue in advance of BDAC's November meeting.

Sincerely,

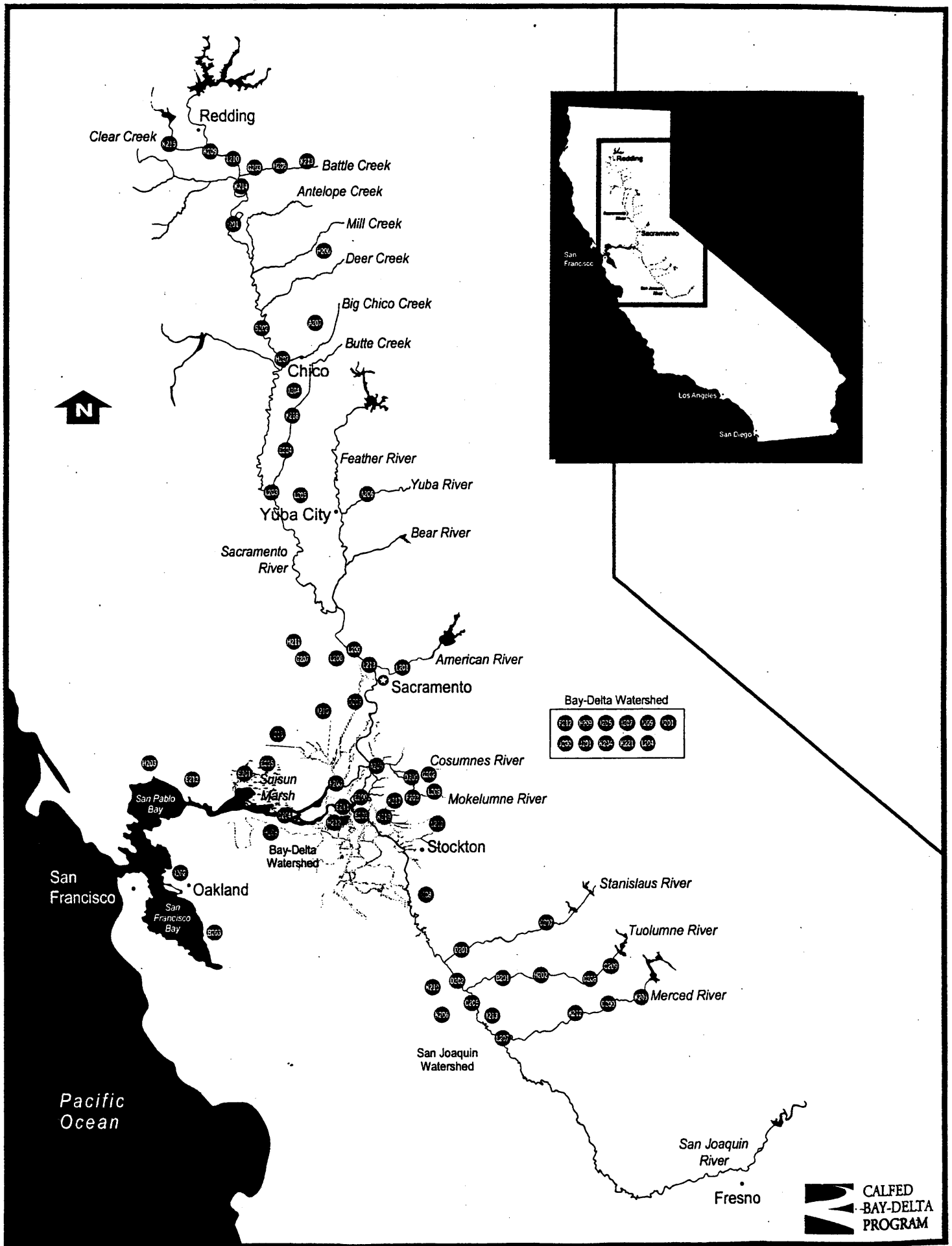
A handwritten signature in cursive script, reading "Mary J. Scoonover".

MARY J. SCOONOVER
Deputy Attorney General

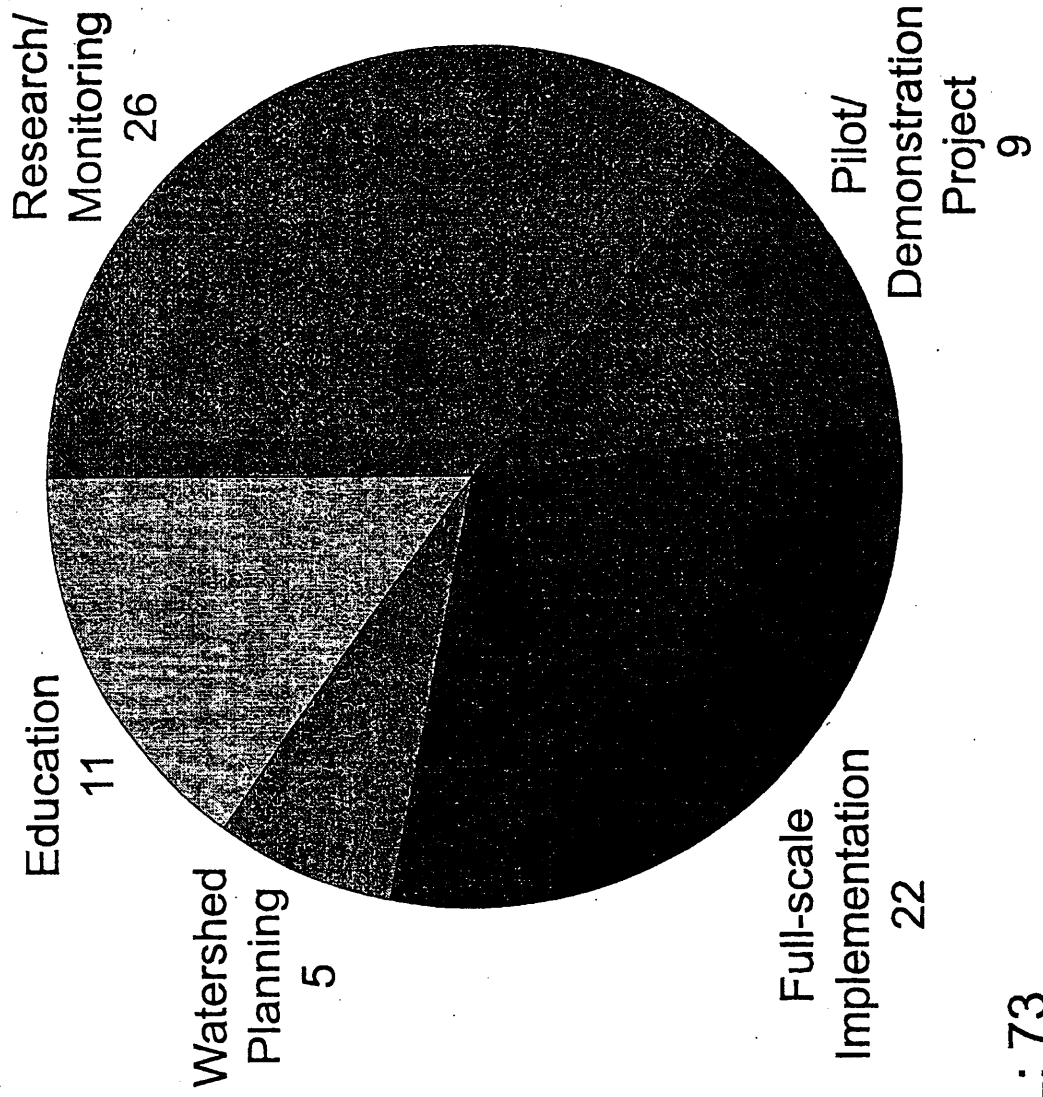
For BILL LOCKYER
Attorney General

CALFED ECOSYSTEM RESTORATION PROJECTS

2001 Proposals Recommended For Funding-October 2000

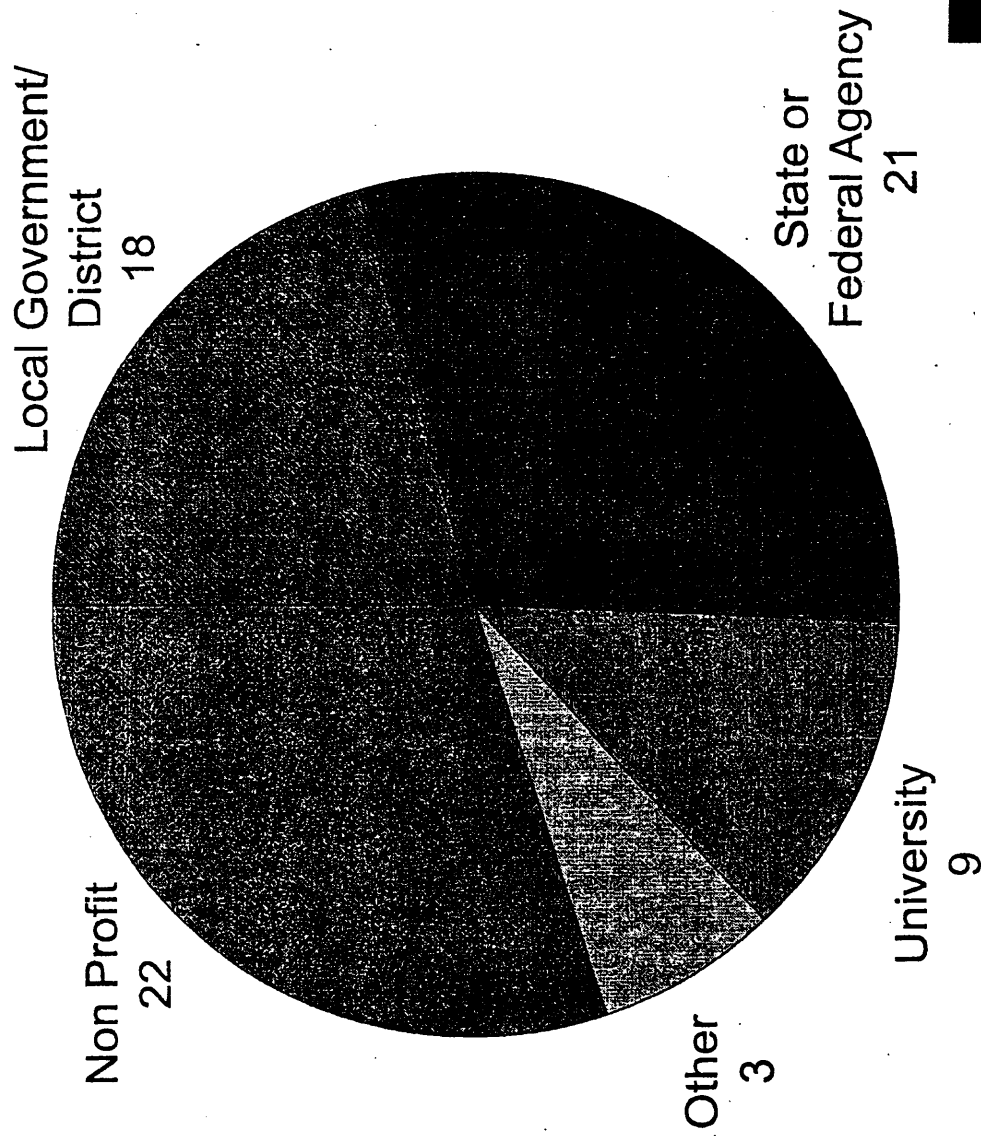


Projects Recommended for Funding Project Type (Oct 2000)



TOTAL: 73

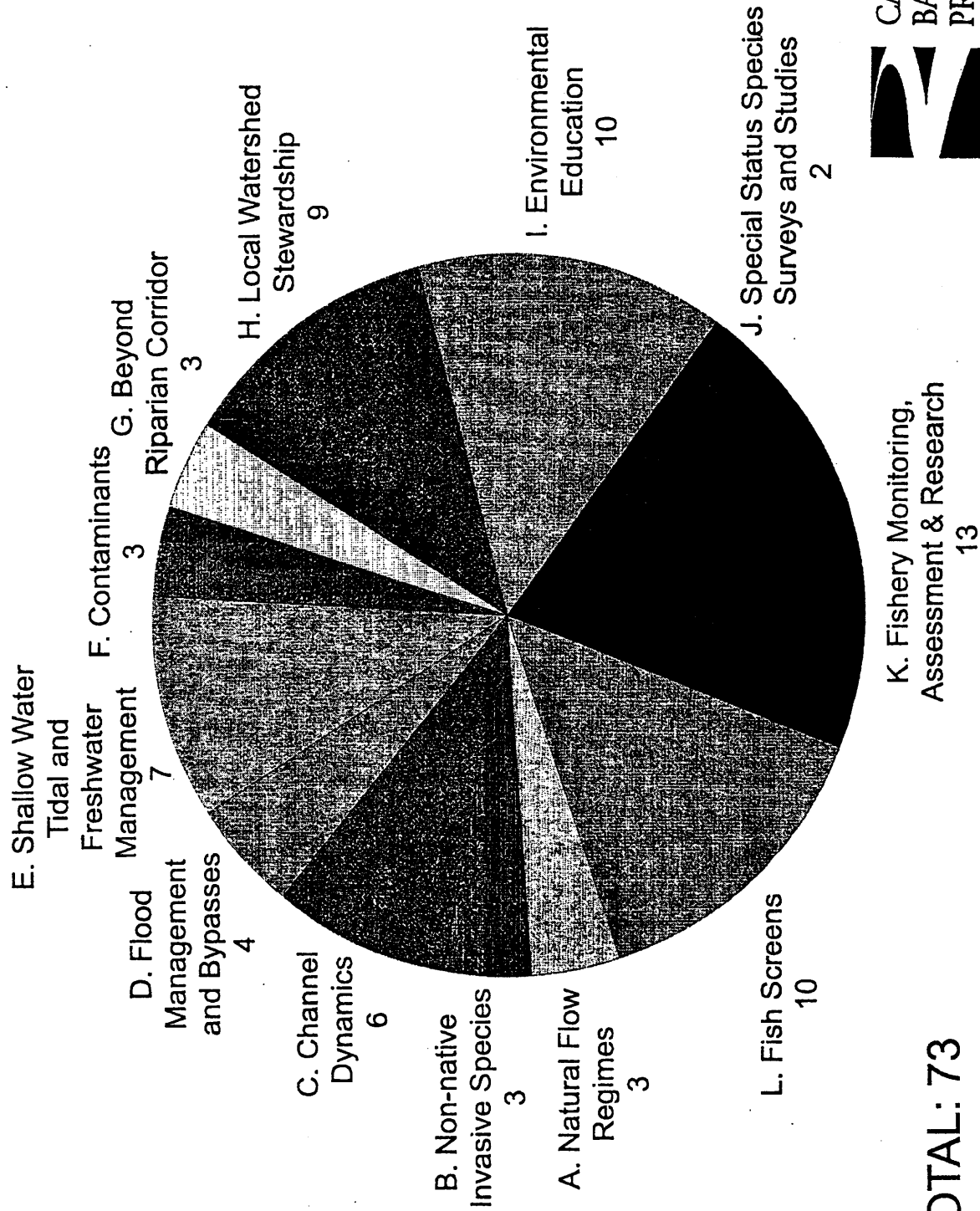
Projects Recommended for Funding Applicant Type (Oct. 2000)



TOTAL: 73

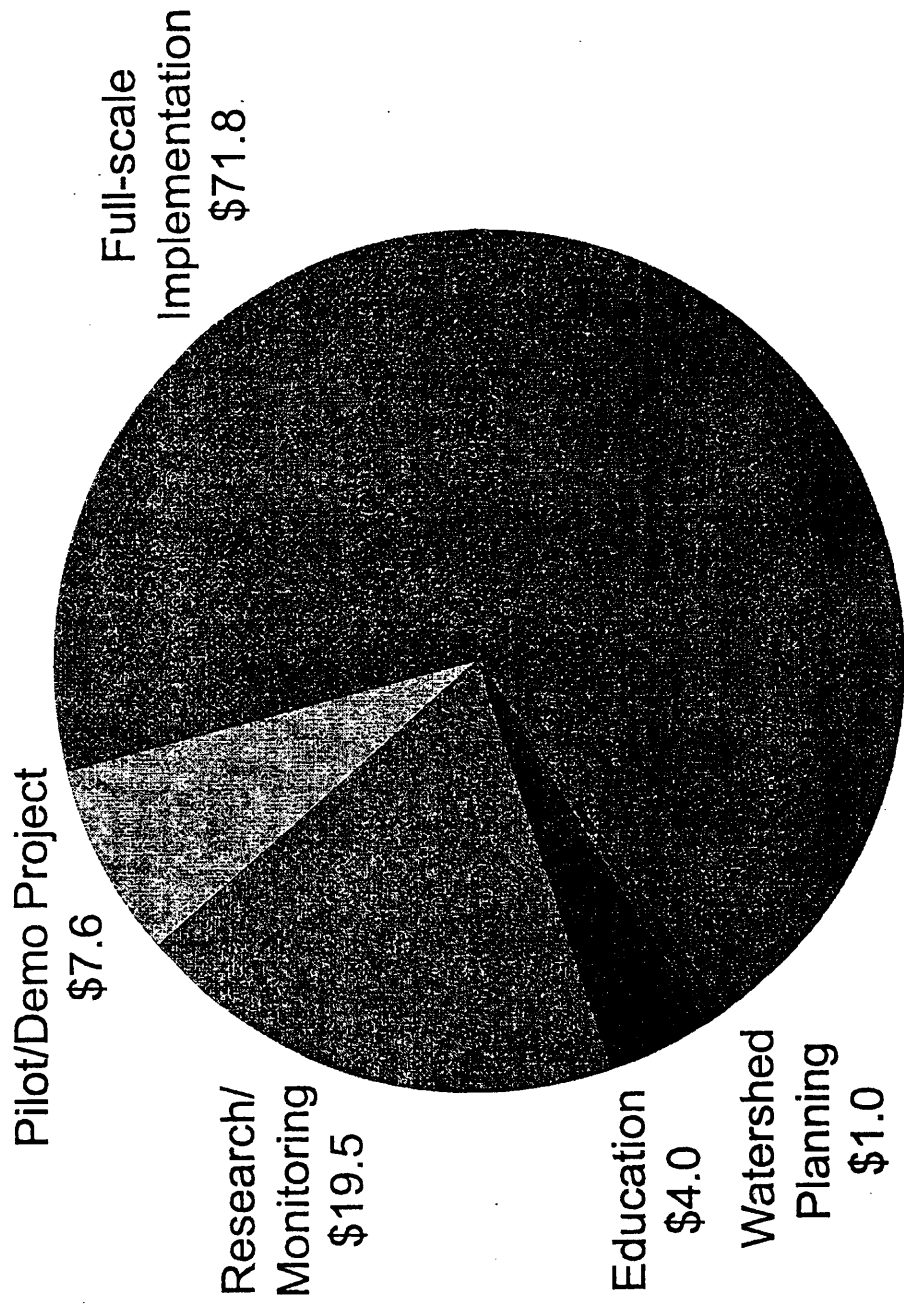
Projects Recommended for Funding

Topic Area (Oct. 2000)



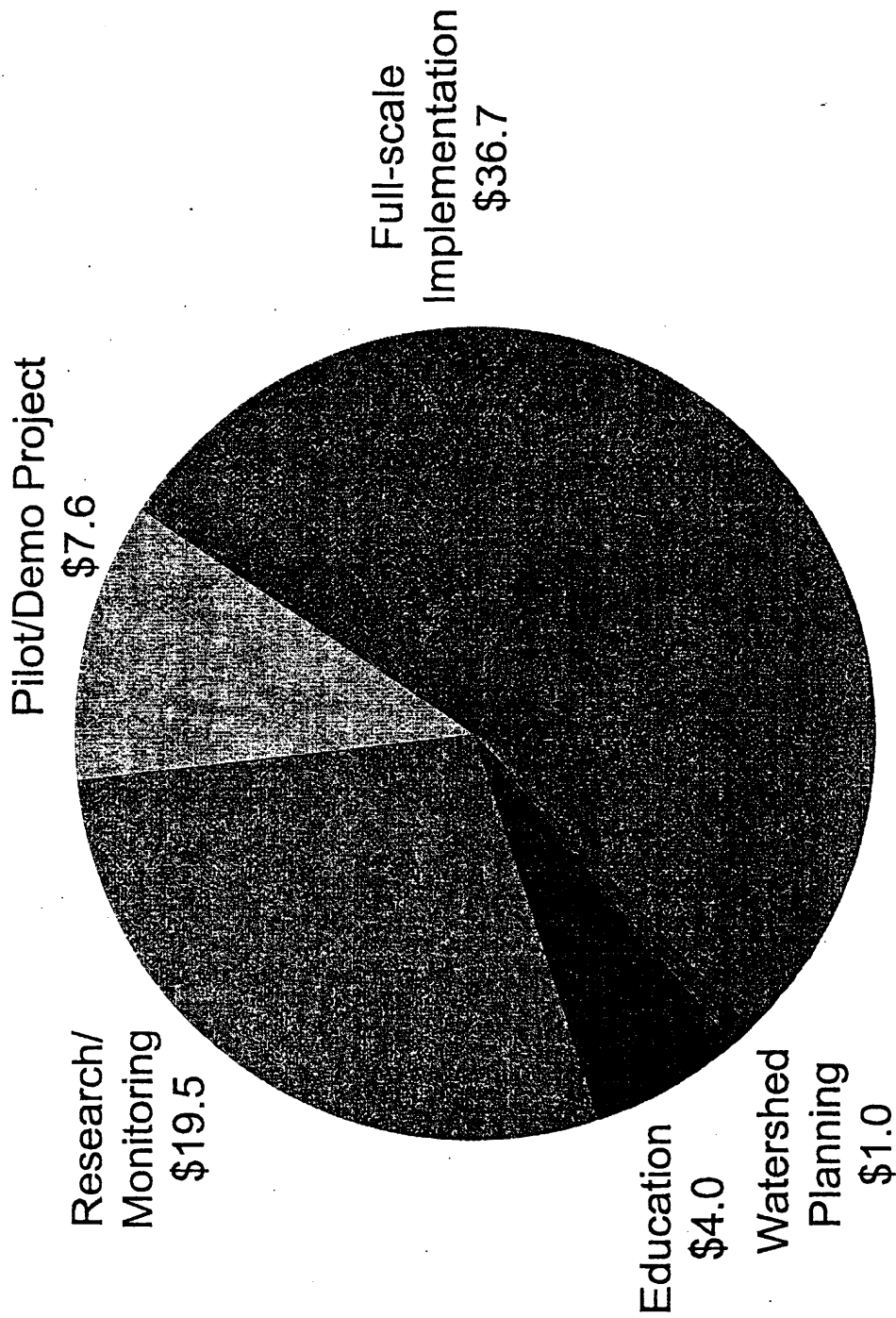
TOTAL: 73

Funding Recommendation by Project Type (millions) ***(Oct. 2000) with Staten Island***



TOTAL: \$103.8

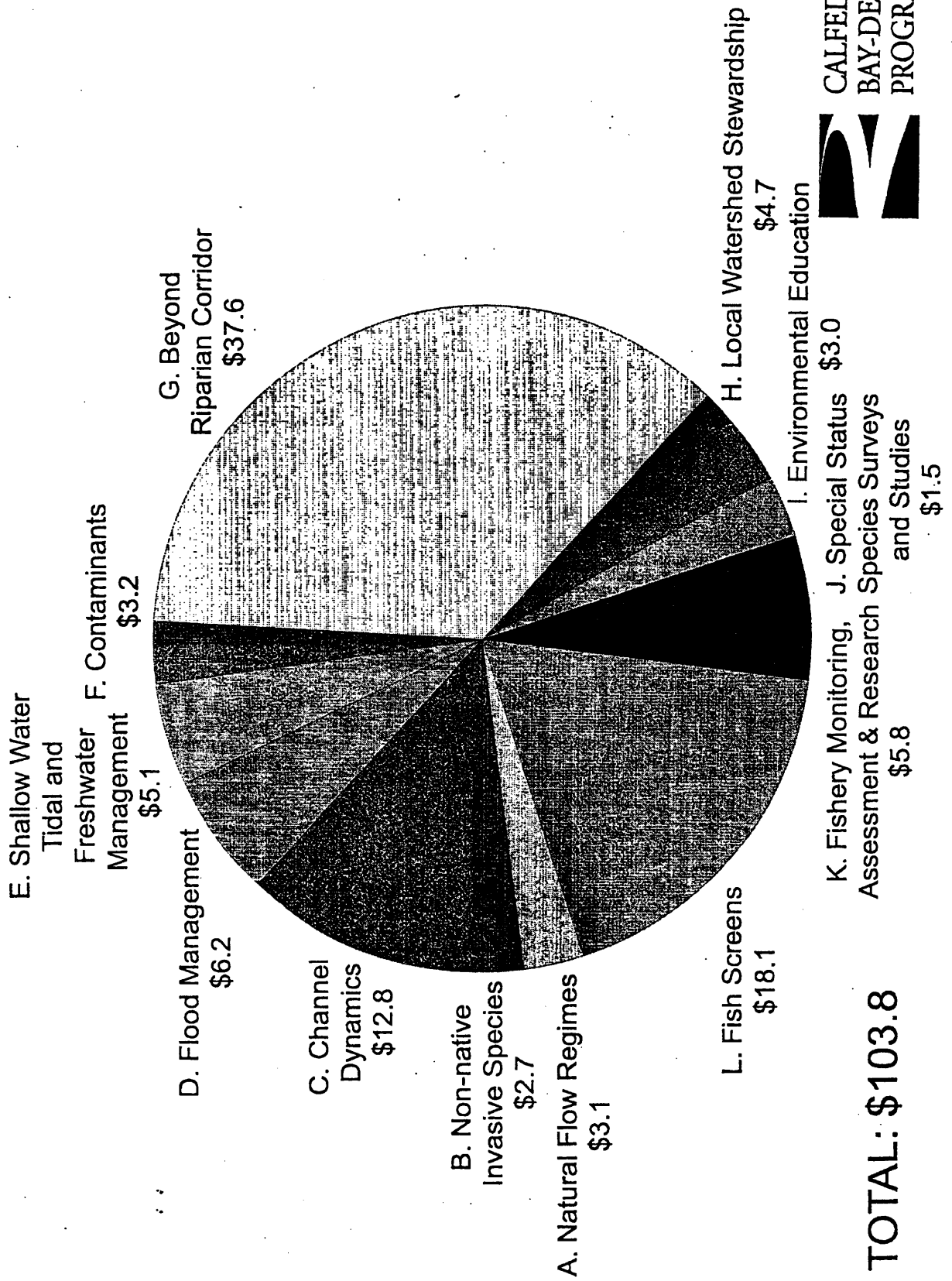
Funding Recommendation by Project Type (millions) ***(Oct. 2000) without Staten Island***



TOTAL: \$68.7

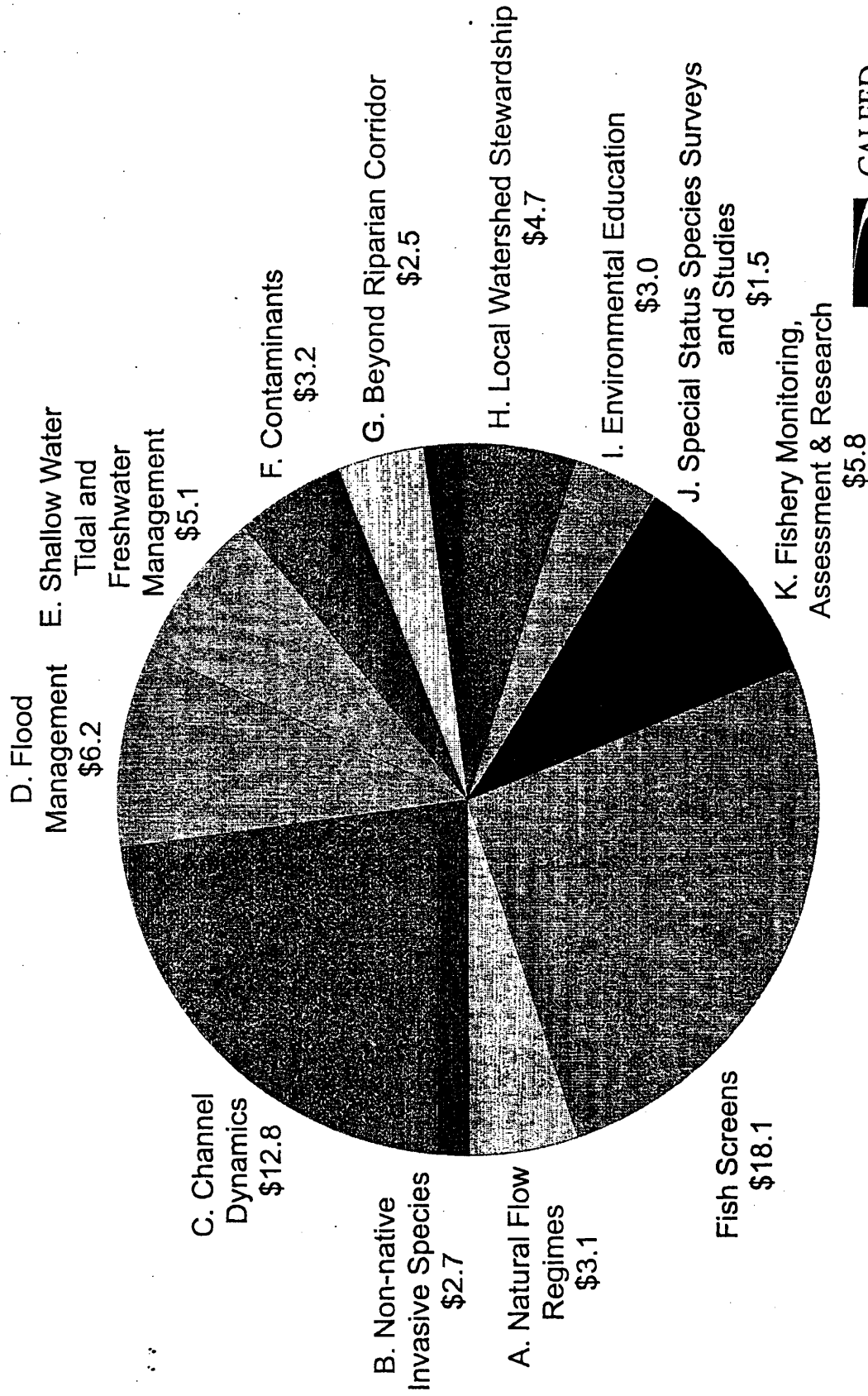
Funding Recommendation by Topic Area (millions)

(Oct. 2000) with Staten Island



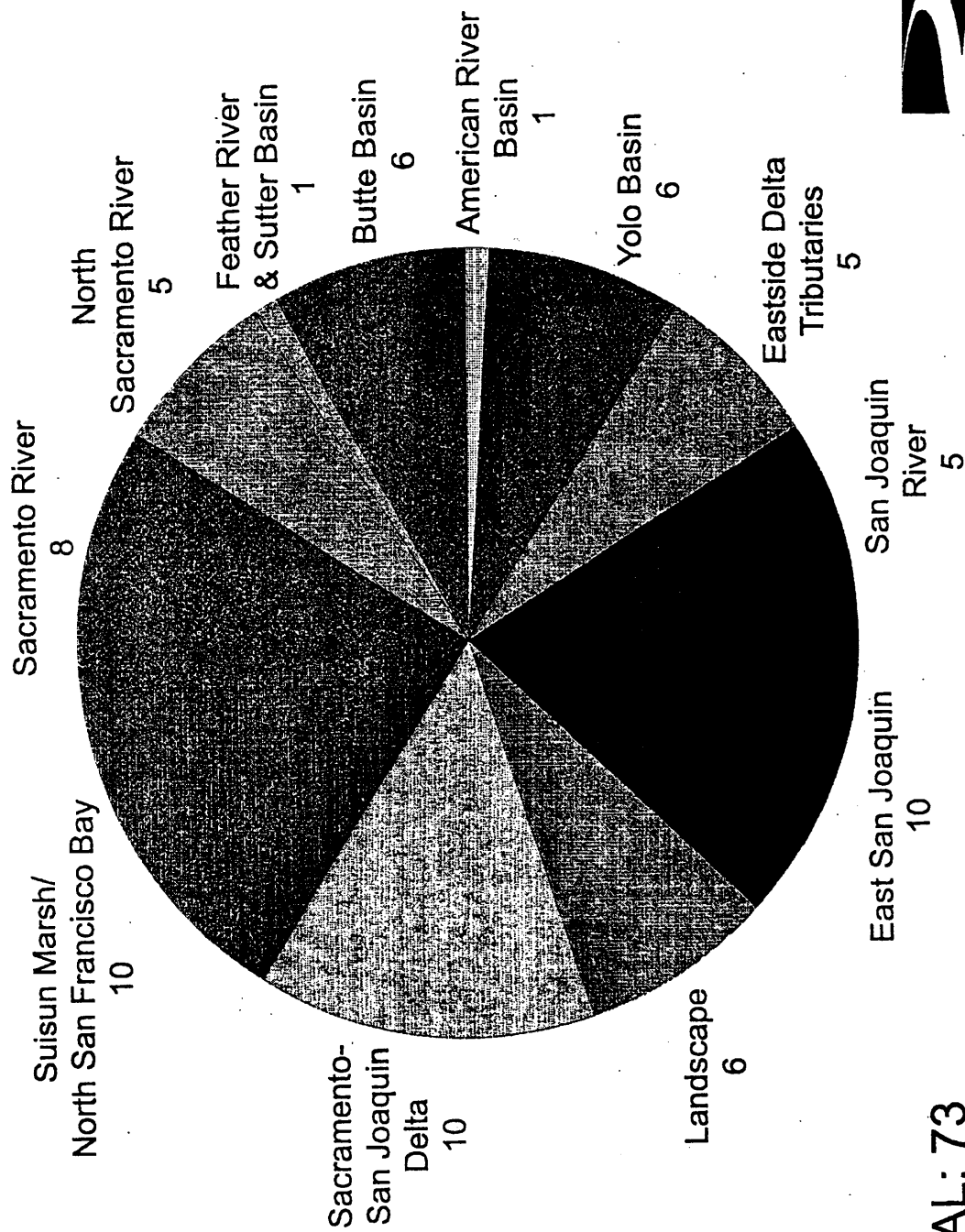
Funding Recommendation by Topic Area (millions)

(Oct. 2000) without Staten Island



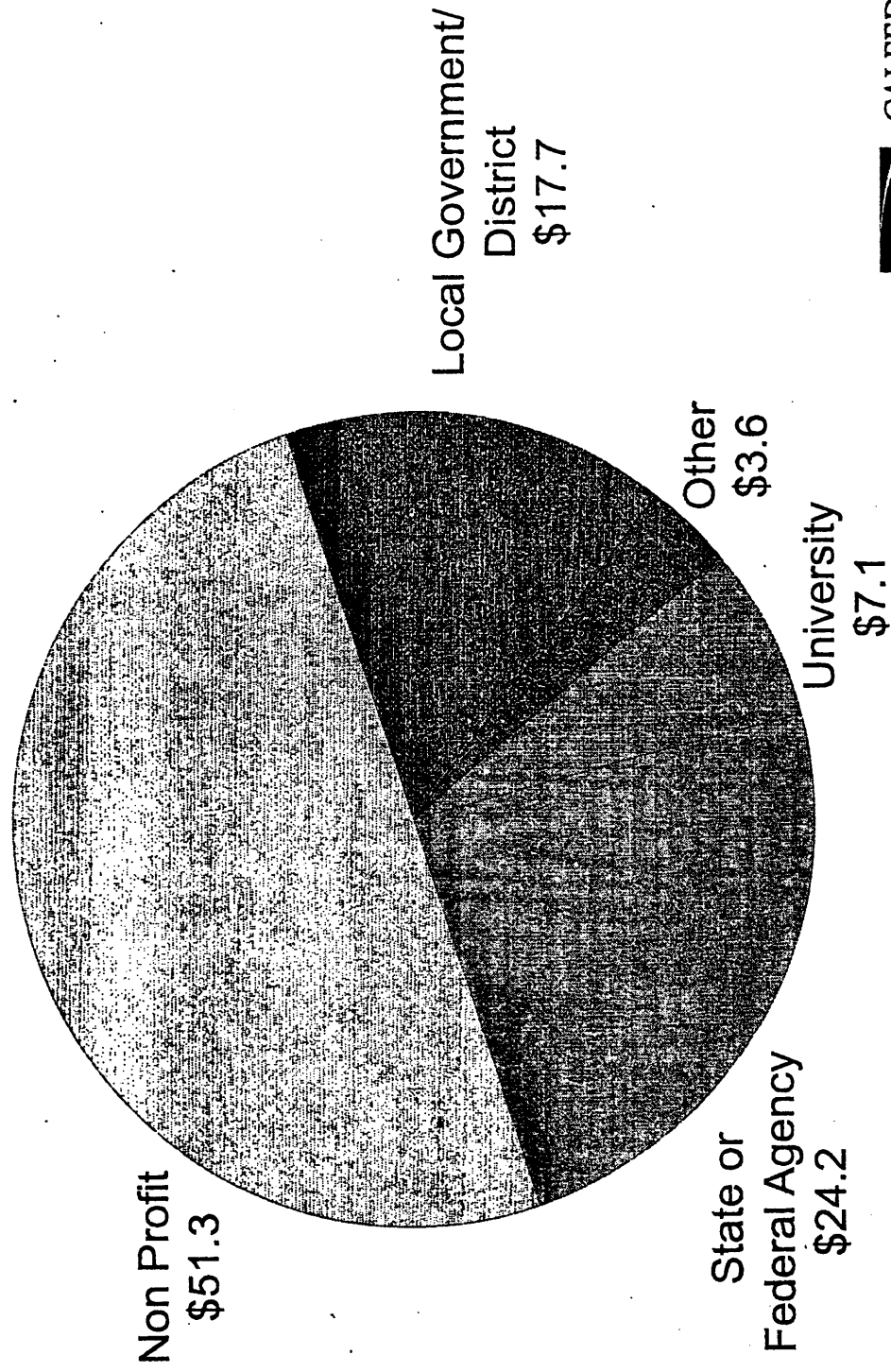
TOTAL: \$68.7

Projects Recommended for Funding Ecozone (Oct. 2000)



TOTAL: 73

Funding Recommendation by Applicant Type (millions) ***(Oct. 2000) with Staten Island***

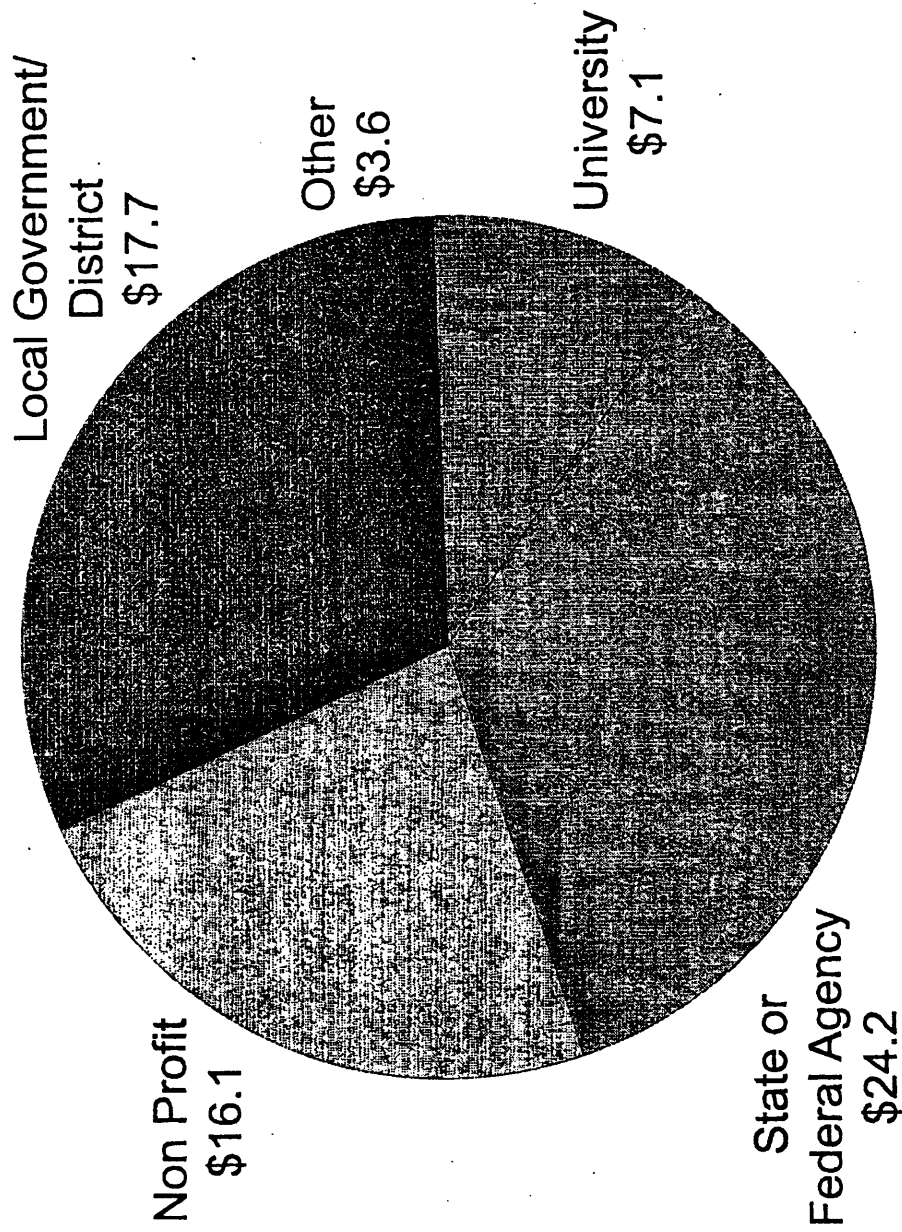


TOTAL: \$103.8



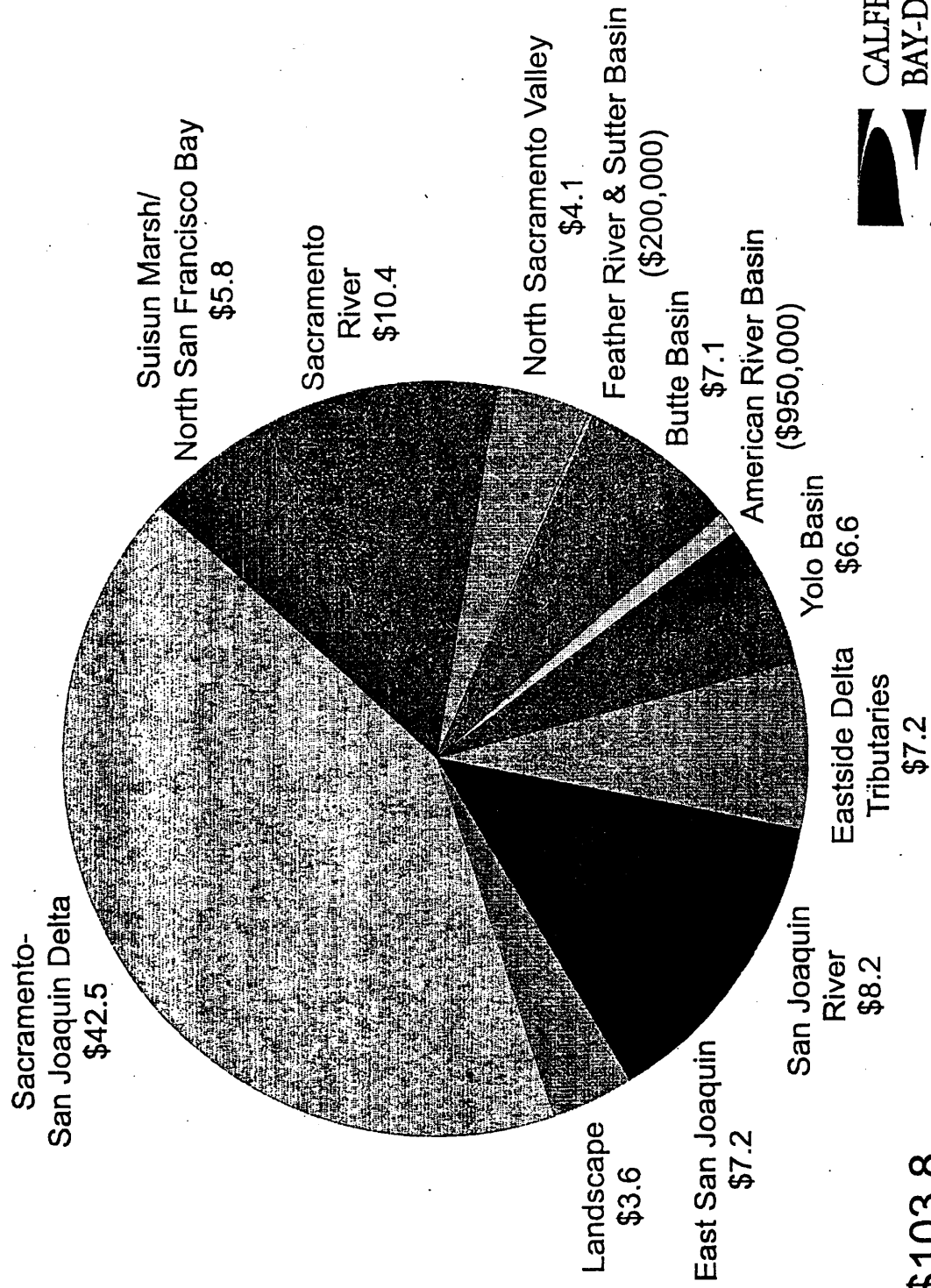
Funding Recommendation by Applicant Type (millions)

(Oct. 2000) without Staten Island



TOTAL: \$68.7

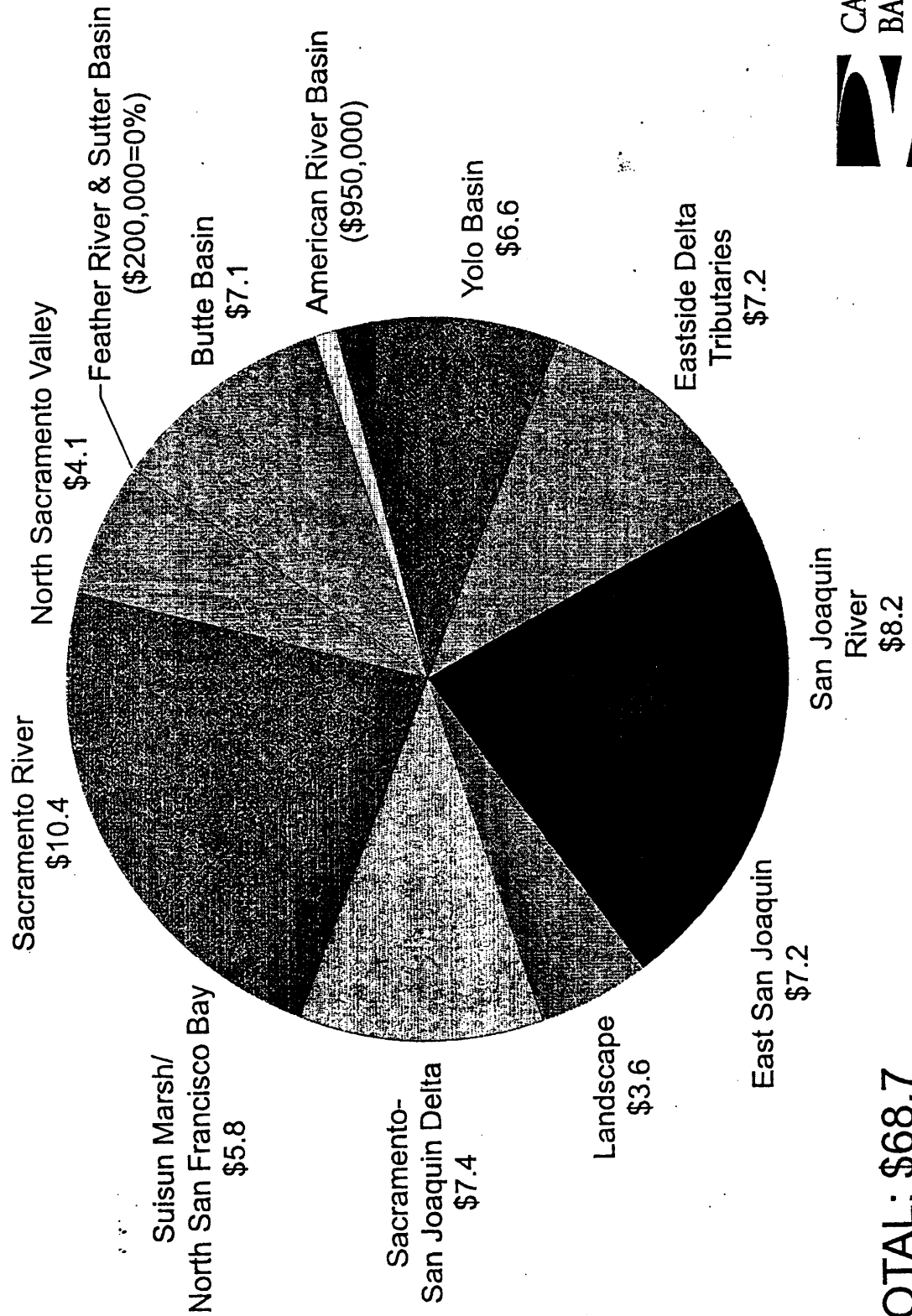
Funding Recommendation by Ecozone (millions) ***(Oct. 2000) with Staten Island***



TOTAL: \$103.8

Funding Recommendation by Ecozone (millions)

(Oct. 2000) without Staten Island



TOTAL: \$68.7

October 5, 2000

		Geographic Panel Reviews					Selection Panel Recommendation			
Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	1-Bay Delta	2-Sac R.	3- Feather/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	Amount Recommended
2001-A205*	The Influence of Flood Regimes, Vegetative and Geomorphic Structures on the Links between Aquatic & Terrestrial Systems	Center for Integrated Watershed Science & Management	VG			MH		High	The Panel concurs with Geographic Panel 3 and TARP conclusions. This is a critically important area of research for CALFED, even though the hypotheses and conceptual models could be better developed, and the links between elements better defined.	\$2,521,236
2001-A207*	Real-Time Flow Monitoring	DWR	E		H	MH		High	The Panel concurs with very positive TARP and Geographic Panel ratings. CALFED contracting requirements constrain funding to no more than 3 years. AFRP funding is for one year. The Panel recommends full funding for the allowable period, depending on the source. This proposal, while valuable, may be largely characterized as baseline monitoring, and appropriate for the future CALFED baseline monitoring program.	\$418,700
2001-B201*	Tuolumne River Restoration: Special Run Pool 10	Turlock Irrigation District	F				MH	High	The project could result in important information for future projects involving restoration of mining pools in river channels. However, the proposal lacks detail in key areas, especially monitoring and data dissemination, limiting its potential usefulness. The Panel recommends only funding the permitting, planning and easement-related activities at this time as suggested by Geographic Panel 4. The Panel also recommends coordination with the AFRP Adaptive Management Forum for Large Scale Restoration Projects.	\$543,530
2001-B202	Arundo Donax: Survey and Eradication	CSU Chico	F		H			High	The Panel concurs with favorable conclusions by Geographic Review Panel 2. The Panel recommends funding the mapping component, and implementing and monitoring eradication and riparian restoration components at one or two sites as a demonstration project.	\$360,000

October 9, 2000

						Geographic Panel Reviews				Selection Panel Recommendation		
Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	1-Bay Delta	2-Sac R.	3- Feather/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	Amount Recommended		
2001-B203*	Invasive Spartina Project (ISP)	California Coastal Conservancy	G	M				High	The Panel concurs with the TARP and Geographic reviews that the proponents failed to articulate the need for database and website. The Panel recommends funding those parts considered E, VG, G and F by Geographic Panel 1. Do not fund database development or website.	\$1,793,661		
2001-C200*	Revised Phase 2 - Merced River Salmon Habitat Enhancement: River Mile 42 to 44 (Robinson Ranch Site)	DFG	P				MH	High	The Panel disagrees with TARP, due to the project's importance for CALFED's ERP, agreeing with the Geographic Panel review. However, the Panel recommends thorough review by the State Reclamation Board during the planning process. The Panel also recommends coordination with the AFRP Adaptive Management Forum for Large Scale Restoration Projects.	\$1,699,101		
2001-C205*	San Joaquin River NWR Riparian Habitat Protection & Floodplain Restoration Project - Phase II	USFWS	G				M	High	Panel concurs with TARP and recommends the following conditions: 1) completion of flood management evaluation and resolution of issues; 2) creation and integration of a technical oversight committee; and 3) incorporation of information developed by D202. This project is consistent with the concepts being developed by the Sacramento-San Joaquin River Basins Comprehensive Study for flood damage reduction and ecosystem restoration.	\$7,646,233		

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3-Feath/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-C209*	Tollumne River Mining Reach Restoration No 3, Warner-Deardorff Segment	Turlock Irrigation District	VG/E				MH	High	The Panel concurs with TARP and Geographic panel on the importance of the Mining Reach Restoration Project but shares the concern of the Geographic Panel that the full funding of this project should be contingent upon (1) successful implementation of previously funded segments, and (2) that the entire project receive outside multi-disciplinary input and review for example, through the AFRP Adaptive Management Forum for Large Scale Restoration Projects. At this time, the Panel recommends funding only project design, right-of-way engineering, and pre-project monitoring.	\$518,670
2001-D200	Cosumnes/Mokelumne Corridor Floodplain Acquisitions, Management, and Restoration Planning	The Nature Conservancy	VG			H		High	Panel concurs with favorable TARP and Geographic panel reviews. This is a multi-purpose project that provides ecosystem benefits and flood damage reduction.	\$3,044,342
2001-D201	Habitat Acquisition for Riparian Brush Rabbit and Riparian Woodrat	USFWS	VG				MH	High	Panel concurs with favorable reviews and supports full funding with the condition that the proposed land acquisition be disclosed to and coordinated with San Joaquin River Management Program and the San Joaquin River Flood Management Association. This project is consistent with the concepts being developed by the Sacramento-San Joaquin River Basins Comprehensive Study for flood damage reduction and ecosystem restoration.	\$2,720,085
2001-D202*	Non-Structural Alternative at the San Joaquin River National Wildlife Refuge: Refinement for Habitat Enhancement	Ducks Unlimited, Inc.	F				MH	High	The Panel supports the Geographic Panel's ranking of medium high. This is potentially a very important modeling exercise that has application to other restoration efforts in the region. Project must be coordinated with C205. This project is consistent with the concepts being developed by the Sacramento-San Joaquin River Basins Comprehensive Study for flood damage reduction and ecosystem restoration.	\$231,942

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3- Feather/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-D203*	Yolo Bypass Management Strategy, Phase II	Yolo Basin Foundation	F/G			MH		High	The Panel concurs with the favorable Geographic Panel review and its recommendation to fund only Task 1 to continue working group meetings and Task 2 to evaluate potential economic impacts of changes in land use.	\$210,000
2001-E200*	Phase II: Demonstration Project for the Protection and Enhancement of Delta In-Channel Islands (Construction & Monitoring)	Association of Bay Area Governments for the S.F. Estuary Project	VG	MH				High	The Panel concurs with the TARP who gave the proposal a very good rating and with Geographic Panel 1 who gave this proposal a medium-high rating. The Panel recommends funding for the full allowable term. CALFED contracting requirements constrain funding to no more than 3 years.	\$928,150
2001-E201*	Hill Slough West Habitat Restoration Demonstration Project, Phase II	DFG	G	MH				High	The Panel concurs with the findings of the Geographic Panel which identified this as a valuable demonstration project to evaluate restoration methods for other sites in Suisun Bay. The proposal was rated relatively high by the technical reviews and Geographic panel.	\$87,000
2001-E204*	Butte Creek/Sanborn Slough Bifurcation Upgrade Project	California Waterfowl Association	G		H			High	The Panel concurs with Geographic Panel rating of high. Proposal is subsequent phase of project previously funded by CALFED, CVPIA and others. Will benefit both spring-run chinook and wetland habitats in the Butte Basin.	\$1,000,000
2001-E205	Suisun Marsh Property Acquisition & Habitat Restoration	DWR	VG	MH				High	The Panel concurs with the findings of the TARP and Geographic Panel that the described acquisition of land in Suisun Marsh for tidal marsh restoration is a high priority, and that despite some concerns about the lack of details regarding the conceptual model, physical modeling and monitoring, the project should be funded. Detailed comments provided by the technical reviewer should be considered as the project progresses.	\$536,750

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		
				1-Bay Delta	2-Sac R.	3- Feath/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	Amount Recommended
2001-E211	Feasibility Study of the Ecosystem & Water Quality Benefits Associated with Restoration of Franks Tract, Big Break, and Lower Sherman Lake	DWR	VG	H				High	The Panel concurs with very favorable reviews of Geographic Panel and TARP. This is an ambitious, large study with potential multiple system-wide benefits.	\$1,218,105
2001-E212*	Ecological Monitoring of Tolay & Cullinan Ranch Tidal Wetlands Restoration	Ducks Unlimited, Inc.	VG	MH				High	The Panel concurs with favorable reviews by TARP and Geographic panels. The project adds post-construction monitoring program to previously funded project.	\$593,931
2001-F200*	Transport, Transformation & Effects of Se and C in the Delta: Implications for ERP	USGS	G	M				High	The Panel believes the proposal was well written overall, and expects this research group will demonstrate a high level of scientific productivity in an important research area. However, Panel is concerned that all reviewers with hydrodynamic modeling expertise (several independent reviewers and the TARP) believe the proposal modeling approach to be unnecessarily elaborate and expensive for the questions asked. We therefore recommend funding for the modeling tasks (Tasks 1 and 2) be reduced by one-half, reducing the total project cost from \$3.36 million to \$2.6 million. In addition, clarification is required for Task 6 as there is no individual identified with responsibility for this task and there are no funds allocated for this task in the budget.	\$2,600,000

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3- Feather/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-F202	Large-Scale Pilot Demonstration of Passivation Technology For Restoration of Newton Copper Mine	University of Nevada	VG			ML		High	The proposed technology, if successful, would have considerable system-wide benefits. The Panel concurs with the TARP, however, that additional laboratory demonstration is needed before field implementation. In addition, the proposed field work raises questions regarding CALFED funding of remediation at a site already under clean-up order. We therefore recommend funding at a level of \$60,000 to support the laboratory component but not the proposed field work.	\$60,000
2001-F212	Rainbow Trout Toxicity Monitoring: An Evaluation of the Role of Contaminants on Anadromous Salmonids	Central Valley Regional Water Quality Control Board	VG	ML	MH	H		High	The Panel concurs with the majority of reviewers, and recommends that the list of sampling locations be revised to better reflect anadromous fish distribution and spawning areas.	\$530,000
2001-G202	Staten Island Acquisition	The Nature Conservancy	VG	MH				High	The Panel recognizes this project as a major step to complete the East Delta Habitat Corridor of ERP. Timeline for action important. TARP and Geographic Panels were concerned with the magnitude of cost, as was the Panel, otherwise all favored proposal.	\$35,110,873
2001-G203	Battle Creek Riparian Protection	The Nature Conservancy	VG		H			High	The Panel concurs with Geographic Panel on importance of project and with TARP on the need for detailed land-use monitoring plan that addresses compatible agricultural uses.	\$1,000,000
2001-G207	Sustaining Agriculture and Wildlife Beyond the Riparian Corridor	Yolo County Resource Conservation District	VG			MH		High	Concur with TARP and Geographic Panel comments. This proposal is well developed and utilizes a highly qualified team of specialists. The approach has high applicability throughout the CALFED region and the inclusion of landowners will help make this project successful. While similar to H211, this project complements that proposal by focusing on irrigated agricultural lands, while H211 focuses on rangelands.	\$1,464,167

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		
				1-Bay Delta	2-Sac R.	3-Feath/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	Amount Recommended
2001-H200*	Lassen National Forest Watershed Stewardship Within the Anadromous Watersheds of Butte, Deer, and Mill Creeks	USFS	G		H			High	Concur with TARP, Geographic Panel, and Individual reviewer ratings. Project will accomplish important sediment reductions in spring-run chinook watersheds.	\$849,845
2001-H202	Tuolumne River Watershed Outreach and Stewardship	Tuolumne River Preservation Trust	F				MH	High	Panel concurs with Geographic Panel 4. This funds the reprinting of a very successful map and brochure.	\$62,000
2001-H203*	Sonoma Creek Watershed Conservancy, 2001-2003	Southern Sonoma County Resource Conservation District	G	M				High	Panel concurs with TARP. This is a comprehensive program with good team and good cost-share. The Panel feels that the high feasibility and collaboration outweighs the monitoring weaknesses. However, monitoring actions could be better described.	\$545,170
2001-H207*	Sacramento River Conservation Area Program	CSU Chico	G		H			High	The Panel concurs with the high rating of Geographic Panel, contingent on budget review.	\$326,991
2001-H208	Kirker Creek Watershed CRMP Program	Contra Costa Resource Conservation District	VG	H				High	The Panel concurs with the high ratings by technical reviewers, TARP and the Geographic Panel.	\$198,450
2001-H211*	Willow Slough Watershed Rangeland Stewardship Program	National Audubon Society-CA	VG			MH		High	The Panel concurs with TARP and Geographic Panel that this is a very ambitious but sound project that could be a model for application in other watersheds. While similar to G207, this project complements that proposal by focusing on rangelands, while G207 focuses on irrigated agricultural lands.	\$1,800,668
2001-H212	Watershed Stewardship in Marsh Creek: A Project to Protect Water Quality in the Western Delta	The Natural Heritage Institute	G	MH				High	While finding this restoration effort to be promising, the Panel concurs with the TARP that the results of Task 1 could substantially alter the need for or scope of the other tasks, and therefore recommend funding only for Task 1 at this time.	\$126,000

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		
				1-Bay Delta	2-Sac R.	3-Feath/Sut/Yolo/EST	4-SJR	Priority Ranking	Justification	Amount Recommended
2001-1201*	Watershed Education, Headwaters to the Ocean	Sacramento River Discovery Center	VG		H	M		High	The Panel agrees with TARP and Geographic Panel 4 that CALFED should support the continuation of this successful hands-on education project. The Panel agrees that Task 5 video development should not be funded and that proponent should re-consider implementation of Task 4 by using existing aerial photos or work with local agencies to reduce cost.	\$321,816
2001-1202*	Estuary Action Challenge Environmental Education Project	Earth Island Institute	VG	MH				High	The Panel concurs with TARP and Geographic Panels. Continuation of a highly successful school district program. The proponent must coordinate with local DFG on frog rearing and riparian plantings.	\$50,000
2001-1205*	Traveling Film Festival/San Joaquin River Oral History Film	Independent Film Group	E	MH	H	M	M	High	The Panel concurs with generally positive TARP and Geographic Panel ratings. We concur with Geographic Panel 4 that proponents must ensure coordination with San Joaquin Valley-based groups.	\$216,550
2001-1207	Environmental Stewardship Educational Conferences and Tours	Committee for Sustainable Agriculture	VG	ML			MH	High	The Panel concurs with TARP and Geographic Panels. Recommend funding San Joaquin Valley conferences and tours only. Applicant should expand target audience to include affected government planning staff, and include introduced species and their impacts in the presentations.	\$48,500
2001-1208	Delta Studies Program: San Joaquin County Schools	San Joaquin County Office of Education	E	H				High	The Panel concurs with TARP and Geographic Panel 1 who rated the proposal excellent and high.	\$306,291
2001-1209	Adopt-A-Watershed Leadership Institute	Adopt-A-Watershed	E	MH	H	M		High	The Panel concurs with TARP and Geographic panels. Panel concurs that this is a very solid, well thought-out proposal warranting full funding.	\$592,884

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3-Feath/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-I210*	Discover the Flyway II	Yolo Basin Foundation	VG			MH		High	The Panel concurs with the previous panels comments. The project can have large system-wide benefits	\$197,987
2001-I211	Bay-Delta Learning Initiative	Water Education Foundation	VG	MH	H	M		High	The Panel concurs with previous reviews that implementation of the project has broad system-wide benefits. All regions identified the project as highly relevant to their area. WEF has an excellent educational record, cost share is significant. Fills educational gaps for journalists and the general public. Targets non-native invasive species education for boaters and anglers.	\$126,668
2001-I213*	Educating Farmers and Landowners in Biological Resource Management	Community Alliance with Family Farmers	E			MH	MH	High	The Panel concurs with TARP and Geographic Panel that this project is an extension of a valuable ongoing effort to educate farmers and landowners about reducing toxic input and promoting habitat restoration.	\$1,066,593
2001-J201*	Biological Assessment of Green sturgeon in the Sacramento-San Joaquin Watershed	UC Davis	E	H	H	H		High	The Panel concurs with findings of reviewers that information on this species is needed; this is a well-designed investigation that is highly recommended by all reviews.	\$641,362
2001-K204*	Using Molecular Techniques to Preserve Genetic Integrity of Endangered Salmon in a Supplementation Program	UC Davis	E		H			High	The Panel concurs with the Excellent TARP and High Geographic Panel ratings.	\$400,000
2001-K206*	San Joaquin River Chinook Salmon Age Determinations: Phase II	DFG	VG				H	High	The Panel concurs with favorable TARP and Geographic Panel ratings.	\$54,555

October 5, 2000

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		
				1-Bay Delta	2-Sac R.	3- Feather/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	Amount Recommended
2001-K209	Estimating the Abundance of Sacramento River Juvenile Winter Chinook Salmon with Comparisons to Adult Escapement	USFWS	E		H			High	The Panel concurs with uniformly favorable review of all panels. Critical monitoring of winter-run chinook is combined with a strong experimental design.	\$1,081,638
2001-K210	Health Monitoring of Hatchery and Natural Fall-run Chinook Juveniles	USFWS	VG				H	High	The Panel concurs with favorable TARP and Geographic Panel ratings. Add condition that reports including data and conclusions from the study must be provided to CALFED.	\$40,890
2001-K212*	Evaluate Use of a Two-Dimensional Hydraulic and Habitat Simulation Model to Assess Benefits of Channel	USFWS	VG				MH	High	The Panel concurs with favorable TARP and Geographic Panel ratings.	\$11,000
2001-K213*	Battle Creek Anadromous Salmonid Monitoring Projects	USFWS	G		H			High	As stated by Geographic Panel, the Panel agrees that there is a critical need to collect juvenile production data for the overall Battle Creek Projects. However, the Panel also concurs with TARP conclusions that data collection could be more clearly tied to hypothesis and objectives. The budget should be reviewed during contract negotiations to see if cost savings will accrue if other proposals from the Red Bluff Office of the USFWS are approved. This proposal, while valuable, may be largely characterized as baseline monitoring, and appropriate for the future CALFED baseline monitoring program. However, the Panel supports funding for three years with the expectation that it will be some time before the baseline monitoring program is able to support such projects.	\$1,576,152

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3-Festh/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-K214*	Sacramento River Winter Chinook Salmon Carcass Survey	USFWS	G		H			High	The Panel concurs with positive TARP and Geographic Panel ratings. Proponent is encouraged to submit a proposal for verifying age-size relationships through scale analysis. The budget should be reviewed during contract negotiations to see if cost savings will accrue if other proposals from the Red Bluff Office of the USFWS are approved. This proposal, while valuable, may be largely characterized as baseline monitoring, and appropriate for the future CALFED baseline monitoring program. However, the Panel supports funding for three years with the expectation that it will be some time before the baseline monitoring program is able to support such projects.	\$305,273
2001-K215*	Clear Creek Juvenile Salmonid Monitoring Project	USFWS	VG		H			High	The Panel concurs with favorable TARP and Geographic Panel ratings. This proposal, while valuable, may be largely characterized as baseline monitoring, and appropriate for the future CALFED baseline monitoring program. However, the Panel supports funding for three years with the expectation that it will be some time before the baseline monitoring program is able to support such projects.	\$871,026
2001-K218*	Butte Creek, Big Chico Creek, and Sutter Bypass Chinook Salmon and Steelhead Evaluation	DFG	G		MH	H		High	The Panel concurs with the favorable TARP and Geographic Panel review. The Panel agrees with the Staff Review that the proposal covers too many elements and could have been improved by better separation of the individual components. The conceptual model is weak and several models would have been better. The TARP recommended partial funding and the Panel agrees. The project proponent declared that Tasks 1, 2 and 3 are inseparable components. The Panel recommends funding of Tasks 1, 2 and 3.	\$280,951

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3-Feath/Sut/Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-K219	Lower Calaveras River Chinook Salmon and Steelhead Life History Limiting Factors Assessment	Fishery Foundation of California	G			H		High	The Panel concurs with positive TARP and Geographic Panel ratings.	\$314,704
2001-K221	Food Resources for Zooplankton in the Sacramento-San Joaquin River Delta	UC Davis	VG	MH				High	The Panel concurs with favorable TARP and Geographic Panel ratings. Applicant needs to demonstrate appropriate project management capabilities given the loss of a post-doctoral researcher who was central to the project.	\$576,422
2001-L203*	White Mallard Dam and Associated Diversions	California Waterfowl Association	G		H			High	The Panel concurs with positive TARP and Geographic Panel ratings.	\$84,938
2001-L204*	Fish Treadmill-Developed Fish Screen Criteria for Native Sacramento-San Joaquin Watershed Fishes	UC Davis	VG	MH	H	M	M	High	There was agreement among all reviewers and this Panel that data generated by this project is of high priority for fish screen design, but there was also uniform agreement that the cost of this project is excessive. We note that the labor hours requested equates to 17 people working with the fish treadmill full-time for the life of the project. The TARP felt the experimental design was too elaborate, the debris testing excessive, the physiological stress indicators unnecessary and the number of experimental variables excessive. We also suggest that the proposed debris testing could be done on only a subset of the species. The budget is not structured in such a way so as to allow us to estimate the cost saving by deletion of particular experiments, but if the above recommendations are accepted we suggest a 40% reduction in project cost.	\$1,362,878

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3-Feath/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-L205*	Lower Butte Creek Project: Phase III Facilitation/Coordination and Construction of Three Fish Passage Modifications to Sutter Bypass West Side Water Control Structures	Ducks Unlimited, Inc.	VG			MH		High	The Panel concurs with favorable TARP and Geographic panel ratings. Panel suggests that overhead be re-evaluated during contract negotiation.	\$4,783,719
2001-L206*	RD 2035 Fish Screen Design and Environmental Review	Reclamation District 2035	VG		H			High	The Panel concurs with TARP and Geographic Panel summary comments that this screening project is a high priority. Need to review cost per cfs for similar projects as suggested by TARP. Cost share by applicant is encouraged.	\$1,820,000
2001-L207	Patterson Irrigation District Positive Barrier Fish Screen on San Joaquin River Diversion	Patterson Irrigation District	VG				H	High	The Panel concurs with positive TARP and Geographic Panel ratings.	\$175,000
2001-L210*	Fish Passage Improvement Project at the Red Bluff Diversion Dam - Balance of Phase II Funding with Requested Change of Scope	Tehama-Colusa Canal Authority	G		H			High	The Panel concurs with the favorable TARP and Geographic Panel comments.	\$1,574,000
2001-L212	Stockton East Water District and Calaveras County Water District Fish Screen Facilities - Calaveras River	Stockton East Water District and Calaveras County Water District	VG			H		High	The Panel concurs with positive TARP and Geographic Panel ratings. Applicant must add a Phase V for monitoring facility operations with no increase in funding award.	\$670,000
2001-L213*	American Basin Fish Screen & Habitat Improvement Project	Natomas Mutual Water Company	E		H			High	The Panel concurs with the TARP and Geographic Panel 4 which rated this proposal excellent and high.	\$950,000

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3- Feath/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	
TOTAL High								60		\$91,247,397

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3- Feath/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-A206	Narrows 2 Hydro Power Plant Flow Bypass System Design	Yuba County Water Agency	F			M		Medium	The Panel concurs with TARP review concerns about the lack of detail for justification of design. However, the information gathered by this project will be valuable for solving problems related to flow fluctuations. The benefit of this information outweighs the potential for a stranded investment. This is an important issue on an important stream for species of concern. Note that correction to budget calculations reduces funding from the requested amount of \$300,000 to \$200,000.	\$200,000
2001-C204*	Sedimentation in the Delta and Suisun Bay	USGS	GNG	MH	L	M	ML	Medium	Panel recommends funding with the condition that costs and especially overhead are examined. The Panel agrees with the TARP that a synoptic study of this type is potentially valuable, and with the Staff review that stated the proposal would yield basic data to improve our understanding of the flux of sediments into and through the Delta. The Panel also shares the TARP concern that the information generated by the study may have limited use in planning restoration projects. Overhead rate (nearly 90%) should be reduced.	\$1,367,684
2001-C207	Spawning Habitat & Floodplain Restoration in the Stanislaus River, Phase I	Carl Mesick Consultants and Trust for Public Land	FVG				MH	Medium	The Panel concurs with the reservations of the TARP and comments of the Geographic Panel. The Panel recommends funding completion of the Two-mile Bar portion of the project, removing the replication for gravel-size evaluations. Proponents should be required to coordinate with or establish an outside review team to obtain additional technical input. One possible forum for this is the AFRP Adaptive Management Forum for Large-Scale Channel Restoration Projects.	\$672,610

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3- Feather/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-C208	Tuolumne River Fine Sediment Management	Turlock Irrigation District	G				M	Medium	Panel concurs with medium rating by Geographic Panel as well as TARP and Geographic Panel reservations about the scientific/experimental aspects of the proposal and concerns about the short-term benefits of the sediment basin element.	\$910,486
2001-E203	Fay Island Restoration Project, Phase I	DFG	F/E	MH				Medium	The Panel concurs with TARP that this acquisition is excellent. This type of habitat is needed in Old River and ongoing work on Rhode Island will provide insight and connectivity to this project. TARP ranked feasibility study fair as they felt the information on later phases was inadequate, but the staff review concluded that for Phase I, the information and details provided are appropriate. Geographic Panel felt the project was a good opportunity and contributes to Stage I ERP goals. Location of project not identified as a high priority area for ERP, resulting in a medium priority ranking.	\$744,148
2001-H205*	Battle Creek Watershed Stewardship, Phase II	Battle Creek Watershed Conservancy	F		MH			Medium	The Panel concurs with the Geographic Panel recommendation. The proposal addresses a high priority area, but was not well written and did not fully respond to the PSP. The Conservancy must address TARP concerns about integration of a local data base, KRIS, into a Valley-wide database system.	\$268,817
2001-H209	Digital Soil Survey Mapping and Digital Orthophotoquad Imagery Development	Natural Resources Conservation Service	VG	MH	H	L	M	Medium	The Panel concurs with TARP and Staff reviews that it is appropriate to fund work only in high priority areas at this time, (i.e., Glenn County, Madera Area, Merced Area, East Stanislaus Area, and Tehama County). The soils information will be much more useful and accessible in electronic format. This conversion will also enable NRCS to develop soil attribute tables which correlate information on habitats, processes and species which would have system-wide benefits for restoration planning.	\$502,100

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3-Feath/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-I204*	Watershed Education Project	Chico Unified School District	F		H			Medium	The Panel concurs with the Geographic Panel 2 rating that this is a popular program. However, the Panel recognizes the concerns described by the TARP.	\$100,865
2001-J200	Genetic Identification of Watershed-Dependent Species of Special Concern in the Central Valley	CSU San Francisco	VG	MH	M	M	M	Medium	The Panel is aware of the concerns of prior reviewers as to management use of the data this study would generate, but believes the underlying scientific approach is of very high quality and has the potential to strengthen the scientific basis for resource management decisions.	\$851,669
2001-K203	Merced River Water Temperature Management Feasibility Study	Merced Irrigation District	F				MH	Medium	The Panel agrees with TARP which rated it fair and recommended partial funding. The Geographic Review Panel ranked it medium high and recommended funding only Task 1 and the related elements of Tasks 4 and 5 (in-kind cost share).	\$45,000
2001-K217	Juvenile Salmon Migratory Behavior Study in North, Central and South Delta	Natural Resource Scientists, Inc.	G	MH				Medium	The Panel concurs with TARP and Geographic Panel review. The Panel expressed concern over the appropriateness of the technique, but believes the qualitative information generated by the project would still be useful.	\$210,000
2001-L200*	City of Sacramento Intake Fish Screen Replacement Project	City of Sacramento	F		H			Medium	The Panel concurs with TARP that a budget review should be conducted and concurs with the Geographic Panel that the project is a high priority. Proposal should be referred back to AFSP for design review. Panel notes that policy issues (screening for smelt versus screening for salmon) also need resolution.	\$6,020,995

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		
				1-Bay Delta	2-Sac R.	3-Feath/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	Amount Recommended
2001-L208*	Lower Mokelumne River Restoration Program - Phase 2	Woodbridge Irrigation District	F			M		Medium	The Panel concurs with favorable technical reviews, and with the Geographic Panel's conclusion that this project would help meet ERP and CVPIA goals. The Panel shares the concerns of the TARP and the Geographic Panel that the project budget may be high, and that there is no cost-share.	\$680,000
TOTAL Medium								13		\$12,574,374
TOTAL High & Medium								73		\$103,821,771

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3- Feather/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-A200	Anadromous Fish Restoration Study on the Upper San Joaquin River	USBR	F				L	Do Not Fund	The Panel concurs with the TARP rating of Fair and Geographic Panel 4 rating of low.	
2001-A201*	Phase 2 Stockton Channel Water Quality Restoration Study	City of Stockton	F			L		Do Not Fund	The Panel concurs with the TARP rating of Fair and Geographic Panel 3 rating of low.	
2001-A202	Trinity River Fishery Restoration and Protection of Delta Water Supply Through Replacement of Four Trinity River Bridges	Trinity County Planning Department	E	L/ML	ML			Do Not Fund	The Panel agrees with the Geographic Review Panels and Staff Review that this proposal is not a priority to fund at this time due to uncertainty about implementing an alternative flow regime on the Trinity. Applicant should consider another funding source.	
2001-A203	Investigation of Tulare Basin Environmental Water Supply	USFWS	F				ML	Do Not Fund	The Panel concurs with low TARP and Geographic Panel 4 Reviews. There may be opportunities for support with the CALFED ISI and Water Use Efficiency Programs.	
2001-A204	Using Benthic Macroinvertebrate Communities for Assessment of Adaptive Management Actions in Streams Supporting Anadromous Salmonids	USGS	G		L	M	MH	Do Not Fund	The Panel believes that this is an important topic that should be addressed. However, the Panel agrees with previous reviewers that the proposal is not appropriately focused or well-coordinated with ongoing efforts. A project of this type should be considered in the future by the CALFED Baseline Monitoring Program.	
2001-B200	Development of an Effective Management Strategy for the Introduced Chinese Mitten Crab, <i>Eriocheir sinensis</i> : Investigations of Recruitment Dynamics	UC Santa Barbara	G	ML				Do Not Fund	The Panel concurs with the TARP observations that the proposal needs to strengthen hypotheses, and strengthen the relationship between this research effort and the goal of developing management strategies for control of this species.	

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		
				1-Bay Delta	2-Sac R.	3-Feath/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	Amount Recommended
2001-C201*	Lower Clear Creek Floodway Restoration Project Phases 3 & 4	Western Shasta Resource Conservation District	F/G		M			Do Not Fund	The Panel shares the TARP and Geographic Panel concerns about technical feasibility. The Panel recommends reduced scope, phasing in smaller components and improved monitoring to demonstrate benefits relative to Saeltzer Dam.	
2001-C202	Geomorphic Stream Restoration Demonstration Project	Sloughhouse Resource Conservation District	F			ML		Do Not Fund	The Panel agrees with all the reviews and finds this proposal lacking in key areas and recommends it not be funded.	
2001-C203	Restoration of Delta Floodplain Terraces Through Bioengineering	Habitat Assessment & Restoration Team, Inc.	F	M				Do Not Fund	The Panel concurs with the fair review of the TARP that these projects also need better biological monitoring and analysis (perhaps by cooperation with existing efforts) to fit them into an adaptive management strategy. The proponents should have submitted more information from previous bank stabilization projects in the Delta and from literature describing similar projects elsewhere.	
2001-C206	Murphy Creek Watershed Protection and Restoration Plan	American Land Conservancy	F			MH		Do Not Fund	The Panel concurs with the TARP rating and with Geographic Panel concerns and recommendations.	
2001-C210	San Joaquin River Research and Riparian Restoration Project	San Joaquin County Council of Governments	G	ML		M		Do Not Fund	As noted by all previous panels, the minimal details provided in this proposal hinder a thorough evaluation of the potential for, or even the need for restoration.	
2001-C211*	Merced River Ranch Restoration: Next-Phase Project	URS Woodward Clyde & DFG	G				ML	Do Not Fund	The Panel concurs with Geographic Panel comments and relatively low rating.	

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3- Feather/ Yolo/EST	4-5JR	Priority Ranking	Justification	
2001-C212	Large-scale Spatial and Temporal Patterns of Flow and Sediment Transport in the Sacramento River Basin and Their Influence on Channel and Floodplain Morphology	Michael Singer	FIG		L			Do Not Fund	As stated by all reviewers, this proposal is attractive because it is a classic modeling situation and the information provided could eventually be very useful. However, one reviewer also thought that it might be too early in the CALFED process to begin such a project since land acquisitions and restoration are in the initial stages. There was also concern at the lack of collaborators for such an ambitious project.	
2001-C213	Understanding Natural Processes Through Active Riparian Restoration	Sacramento River Partners	G		MH			Do Not Fund	The Panel found that the proposal lacked an adequate monitoring plan assessing hydraulic, geomorphic, and aquatic species effects, as well as terrestrial species effects. In addition there were staff concerns regarding permitting.	
2001-C214	Sacramento River Floodplain Acquisition & Restoration	Sacramento River Partners	FVG		M			Do Not Fund	Acquisition would occur in lower priority area, i.e., mostly outside the current meander belt. Scientific aspects of Monitoring Plan inadequately described.	
2001-E202*	Rhode Island Floodplain Management and Habitat Restoration	DFG	P	ML				Do Not Fund	The Panel concurs with technical reviewers, TARP, Geographic Panel and Staff Review that this is a poorly written proposal.	
2001-E206	Peytona Slough Restoration	Suisun Marsh Natural History Association	F	L				Do Not Fund	Consistent with low rankings by previous panels, the Panel recommends against funding.	
2001-E207	Delta Tules: Assessment of Restoration Opportunities	Habitat Assessment & Restoration Team Inc.	P	ML				Do Not Fund	The Panel concurs with the poor rating by TARP and other reviewers.	

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3- Feather/Sut/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-E208*	Benicia Waterfront Marsh Restoration Project Phase II, Implementation	City of Benicia	G	M				Do Not Fund	As noted by the TARP and Geographic Panel 1, the cost for this project is very high relative to its ecological benefit. However, the reviewers all thought the project was well designed and especially liked the public support and education features of the project. The Panel also agreed with one reviewer that other funding such as open-spaces or park land funding be sought to increase the cost share.	
2001-E209	Suisun Marsh Land Acquisition and Tidal Marsh Restoration	USFWS	F	MH				Do Not Fund	The Panel concurs with the fair rating and concerns of the TARP. Project proponents should have identified criteria for land acquisition as well as potential willing sellers.	
2001-E210*	Aquatic & Wetland Habitat Restoration for Sun River Property	Wildlands, Inc.	F	M				Do Not Fund	The Panel concurs with the fair rating and concerns raised by the TARP.	
2001-E213	Little Mandeville Island: A Project to Demonstrate Delta Levees and Shallow Wetland Habitat Restoration and	Ducks Unlimited, Inc.	P	L				Do Not Fund	The Panel agrees with the recommendations of TARP which rated it poor and the Geographic Panel which rated it low.	
2001-E214*	Franks Tract/Decker Island Wetland Habitat Restoration - Next Phase	DWR	F	ML				Do Not Fund	The Panel agrees with the unfavorable TARP and Geographic Panel reviews.	
2001-E215*	Biological Restoration Improvements and Monitoring: Phase 2, Ponds Along Channels	CSU Hayward	P/F	L				Do Not Fund	The Panel agrees with Staff that this request for next-phase funding is premature, and with the TARP that there are significant deficiencies in the proposal.	
2001-F201	Use of Microbial Indicators for Selenium Hazard Assessment and for Management of Real-time Electrical Conductivity and Dissolved Oxygen Sensor Biofouling	UC Berkeley	F				ML	Do Not Fund	The Panel concurs with the relatively low ranking provided by the TARP and Geographic Panel.	

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		
				1-Bay Delta	2-Sac R.	3- Feather/ Yolo/EST	4-SJR	Priority Ranking	Justification	Amount Recommended
2001-F203	Tertiary & Quaternary Wastewater Treatment for Water Quality Restoration Within the Bay-Delta	UC Berkeley	F	M		L		Do Not Fund	The Panel concurs with Staff and TARP findings that direct CALFED and CVPIA benefits are relatively low and/or uncertain. While proposal is technically adequate, its objective of improving sewage treatment methods is of primary value to municipal dischargers, not ERP. Other concerns are that there may be legal problems having CALFED fund regulatory mandates, and the City of Stockton has not provided cost sharing.	
2001-F204	Monitoring and Assessing the Ecosystem/Water Quality in the SF/Sacramento-San Joaquin Bay-Delta Valley Region using Remote Sensing and GIS Techniques	UC Davis	F	ML				Do Not Fund	The Panel concurs with TARP and Geographic Panel that while remote sensing has great potential, the lack of detail on ground-truth methodology and on application of the methodology to contaminants greatly limits the expectation that the proposed work will provide information of direct utility for meeting CALFED objectives.	
2001-F205	The Brake Ped Partnership Project: Reducing Problem Trace Metals at Their Source	Sustainable Conservation	P	ML	L	L	L	Do Not Fund	Nearly all reviewers rated this proposal low, and the Panel concurs with TARP and Geographic Panels.	
2001-F206	Assessing the Relative Contribution of Nutrient Sources to the San Joaquin River Using Molecular Tracers	Stroud Water Research Center	G			L	ML	Do Not Fund	The Panel concurs with TARP that the proposal is technically sound, but the project is not recommended for funding because it is not coordinated with ongoing activities and efforts of the San Joaquin River Dissolved Oxygen TMDL stakeholders group and USGS research.	
2001-F207	Contaminant Source Control in the Watershed: An Evaluation of the In Situ Removal of Mercury From Groundwater Using Permeable Reactive Barriers	University of Waterloo	F			ML		Do Not Fund	While this proposal is technically sound, the Panel agreed that the proposed study of the transport of mercury via groundwater may not be relevant to CALFED at this time.	

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3-Feath/Salt Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-F208	Sediment and Hg Fate and Transport Models to Guide Monitoring and Management in the Delta	Larry Walker Associates	F	M				Do Not Fund	The Panel concurs with TARP summary comments that indicate concerns about the brief project timeline and the need for integration with existing models.	
2001-F209	Evaluation of Biological Assimilatory Capacity for Mechanism-Based Adaptive Management for Selenium in the San Francisco Bay-Delta	UC Davis	F	ML		ML	M	Do Not Fund	Both the TARP and Geographic Panel 4 agreed that Objective 3 had serious deficiencies. Review comments pertaining to Objective 1 were mixed. While some portions of this project may have merit, the applicant has not structured the budget in a way that would allow the Panel to determine an appropriate level for partial funding.	
2001-F210	Bioaccumulation, Trophic Transfer & Sublethal Effects of Hydrophobic Pesticides and Heavy Metals in Invertebrates & Fish in the Sacramento-San Joaquin Delta	UC Davis	G	ML				Do Not Fund	Funding is not recommended as the TARP and Geographic Panel identified several substantial technical concerns which suggest the work would not be successful in meeting objectives.	
2001-F211	Spring Creek Arm of Keswick Reservoir Metal Sledge Feasibility Study & Design	USEPA	P		L			Do Not Fund	The Panel concurs with TARP rating of poor and Geographic Panel of low. There is not a demonstrated link to a PSP priority area. Did not demonstrate a clear threat to upper Sacramento River or Bay-Delta water quality. CERCLA liability issues were also of concern.	
2001-F213*	San Joaquin River Dissolved Oxygen Depletion Next Phase Funding Request for 2001	DWR	G	M		MH	ML	Do Not Fund	The Panel concurs with TARP and Geographic Panels. Project confusing. Linkages between tasks unclear. Feasibility in question. All agreed DO problem is an important issue but serious concerns about this proposal as to preclude a recommendation for funding.	

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3- Feather/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-F214	Distribution Patterns of Mercury and Methylmercury in Tidal Wetland Ecosystems of North San Francisco Bay	San Francisco Estuary Institute	F	ML				Do Not Fund	The Panel agrees with the TARP, Staff and Geographic Panel 1 that, although mercury research is needed, there are significant questions about the proposed methodology and the ability of the applicants to complete the research.	
2001-F217*	Irrigation Drainage Water Treatment for Selenium Removal: Panoche Drainage District Implementation	Panoche Drainage District	G				ML	Do Not Fund	The Panel concurs with TARP and Geographic Panels. The Panel concurs with the TARP that implementation is premature and should be preceded by additional evaluation of processes.	
2001-G200*	Canal Ranch Habitat Restoration Phase III Demonstration Project	DFG	F	ML				Do Not Fund	The Panel concurs with Staff Review recommendation that applicant resubmit for FY2002 funds since Phase II contract was just signed in July 2000 and therefore not ready for Phase III funding.	
2001-G201	Wildlife-Friendly Farming Demonstration	BLM	G	M		ML		Do Not Fund	The Panel considers the proposal premature; suggests proposal be resubmitted once land is acquired.	
2001-G204	Conservation Easements for Agricultural Lands/CEAL Project	Ducks Unlimited, Inc.	G			MH		Do Not Fund	The Panel recommends not funding given that TARP questioned the need to purchase an easement on the Amarat property, and 90% of the funds would be applied towards unidentified parcels which could not be evaluated for ecological value or development pressures.	
2001-G205	Rice in the Delta: A Pilot Project to Convert 10,000 Acres of Legal Delta Lands to Rice Production and Study the Effects of Rice Culture on Wildlife Benefits, Subsidence and Water Quality.	Ducks Unlimited, Inc.	VG	ML				Do Not Fund	Timing and scale of project considered inappropriate given the uncertainty of adoption by local growers.	

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3-Foothill/South Valley/East	4-SJR	Priority Ranking	Justification	
2001-1201	Upper Trinity River Watershed Stewardship Project	Trinity County Resource Conservation District	G		L			Do Not Fund	The Panel concurs with TARP and Geographic Panel comments that there is no demonstrated benefit to the Central Valley Watershed.	
2001-1204	Sierra Forest Communities Institute	Sierra Forest Communities Institute (SFCCI)	P			L		Do Not Fund	The Panel agrees with the recommendations of the TARP which rated it poor, and the Geographic Panel which rated it low.	
2001-1206*	Management Plan Implementation for Ecological Preserves of Butte County	CSU Chico	P		L			Do Not Fund	The Panel concurs with the TARP who gave this proposal a poor rating and Geographic Panel 2 who gave the proposal a low rating because the project was too poorly defined to fund at this time.	
2001-1210*	Science-Based Adaptive Management of the Lower American River	City of Sacramento, Water Forum	F			ML		Do Not Fund	The Panel concurs with Geographic Panel 3 and TARP that while project is potentially valuable, project is too poorly defined to be considered for funding at this time. Proponents are encouraged to build upon successful completion of first phase and continue projects in the future.	
2001-1200	Working at a Watershed Level	DWR	F				MH	Do Not Fund	The Panel concurs with TARP evaluation that the need for funding was not clearly demonstrated. Certain costs, vaguely described, added up to \$17,000.	
2001-1203	Partnerships for Environmental Education	DFG	F				M	Do Not Fund	Applicants did not demonstrate that they worked with or were supported by the local school districts/educators. The substance of the curriculum was not described.	
2001-1206*	Master River Teacher Program	San Joaquin River Parkway & Conservation Trust, Inc.	P	M		L	ML	Do Not Fund	The Panel agrees with the TARP which ranked it poor and was concerned with the lack of clearly developed curriculum. It is noteworthy that it was ranked medium low by Geographic Panel 4.	

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3- Feather/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-1212*	Next Phase Funding for Expanding California Salmon Habitat Through Nonregulatory Mechanisms to Alter Dams & Diversions	Institute for Fisheries Resources	P		L	H	L	Do Not Fund	This is a request for funds to advocate and lobby a policy position, which may or may not be consistent with CALFED. Staff, Technical Panel, and two of three Geographic Panels all concluded this is not appropriate for CALFED funding.	
2001-1202	Propagation/Establishment Techniques & Habitat Requirements for Special Status Plant Species	Bitterroot Restoration, Inc.	P	L				Do Not Fund	The Panel concurs with TARP and Geographic Panel summary comments and low ratings.	
2001-1203*	Ecosystem Restoration - The Relationship Between Water Temperature and Steelhead Trout Growth and Productivity in the Corte Madera Creek Watershed	Friends of Corte Madera Creek Watershed	F	ML				Do Not Fund	The Panel concurs with the criticisms of the TARP and medium low priority assigned by the Geographic Panel.	
2001-K200	Mill Creek Anadromous Fish Adaptive Management Enhancement Plan	Orange Cove Irrigation District	P		L			Do Not Fund	The Panel concurs with the TARP poor and Geographic Panel low ratings.	
2001-K201	Genetic Population Structure of Central Valley Chinook Salmon	DFG	VG	MH	MH	M	M	Do Not Fund	The proposal did not consider the results of prior DNA work that has been funded by IEP, CVP/A, CALFED and MWD (as part of Category III). The otolith component is premature pending the analysis of prior studies funded by the CVP/A and IEP.	
2001-K202	Use of the Delta for Rearing by Central Valley Chinook Salmon	DFG	G	M	M	M	MMH	Do Not Fund	The Panel concurs with TARP and Geographic Panels that this is important work but the proposal lacks focus. The Panel concurs with TARP and Geographic Panels' lack of confidence in technical feasibility of the project.	

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3- Feathered/Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-K205	The Influence of Discharge, Temperature, and Fine Sediment on the Hypothetic Zone: Intragravel Conditions and Anadromous Salmonid Egg Survival	USBR	P		L			Do Not Fund	The Panel agrees with the TARP who gave the proposal a poor rating and with Geographic Panel 2 who considered this proposal to have low relevance to their region.	
2001-K207	Lower Yuba River Monitoring and Research Program	Foster Wheeler Environmental Corporation	G			M		Do Not Fund	The Panel concurs with concerns expressed by TARP and Geographic Panel. The proposal lacks a rigorous experimental design and sufficient details.	
2001-K208	Evaluation of Central Valley Floodplain Fish Rearing Habitat and Potential Losses from Stranding	Foster Wheeler Environmental Corporation	F			L		Do Not Fund	As per TARP, the Panel concurs that project unlikely to provide accurate assessment of the value of floodplain habitat or the effects of stranding. Feasibility questions raised by Geographic Panel, as well as concerns about ESA, costs, staffing and overlap with other ongoing activities.	
2001-K211	Health & Physiological Effects of Elevated Water Temperatures on Juvenile	USFWS	P				L	Do Not Fund	The Panel concurs with the low rankings of the TARP and Geographic Panel.	
2001-K216	Cosumnes River Comparative Research Rearing Project	The Fishery Foundation of California	F			ML		Do Not Fund	The Panel concurs with TARP and Geographic Panel's recommendations and relatively low rating.	
2001-K220	Reintroduction of Native Salmonids into Central Valley Headwaters: Bioengineering and Social Acceptability	The Planning and Conservation League Foundation	VG		L	MH	ML	Do Not Fund	The Panel concurs with the recurring theme throughout all previous reviews that this proposal may generate significant opposition and ultimately be counterproductive, and has determined that it is premature to fund this proposal.	

Proposal No.	Project Title	Applicant/ Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sec R.	3- Feas/Sub/ Yolo/EST	4-SJR	Priority Ranking	Justification	
2001-L201*	Sacramento River Fish Small Screen Project Vertical River Pump Diversions	Natural Resources Conservation Service	VG		MH			Do not Fund	The Panel reluctantly decided not to fund as request is for a 5 year project and CALFED can not approve projects beyond 3 years. Proponent specified within the proposal that tasks were not separable and that partial or incremental funding for this project is neither feasible or desired.	
2001-L202	Suisun Marsh Fish Screening Program	DFG	P	M				Do not Fund	The Panel concurs with TARP and Geographic Panel recommendations.	
2001-L211	Sutter Mutual Water Company Positive Barrier Fish Screen Project	Sutter Mutual Water Company	P		H			Do Not Fund	The Panel agrees with all the reviews that this proposal is deficient in many areas and that it had no stated objective or hypothesis, and no conceptual model. The TARP rated it poor based on CALFED criteria, but that the project had excellent merit. The Geographic Panel ranked it high and suggested that it be funded in phases. The Selection Panel agrees but recommends no funding as Phase I is not complete.	
2001-L214	Mokelumne River Water Diversion Screening Feasibility Study	North San Joaquin Water Conservation District	P			M		Do Not Fund	The Panel concurs with the concerns expressed by the Scientific and Technical reviewers and the Geographic Panel. The TARP rated the proposal as poor. The Panel concurs with the TARP review that several inappropriate tasks were proposed. When coupled with concerns about the intent and capabilities of the project team, funding is not warranted at this time.	
2001-L215*	Fish Screen and Intake Improvements to Coleman National Fish Hatchery on	USBR	F		L			Do Not Fund	The Panel concurs with the TARP and Geographic Panels' comments.	

Proposal No.	Project Title	Applicant Organization	Topic Area Review Panel	Geographic Panel Reviews				Selection Panel Recommendation		Amount Recommended
				1-Bay Delta	2-Sac R.	3-Feas/Stud Year/EST	4-SJR	Priority Ranking	Justification	
2001-L217	Meridian Farms Water Company Fish Screen Project	USFWS	none		MH			Do Not Fund	Although the Geographic Panel considered this a high priority screening location, the proposal does not fit into the PSP format and details are not adequate to judge technical merit. The project, and the feasibility report on consolidation of diversions should be forwarded to AFSP staff for further consideration.	
TOTAL Do Not Fund								68		
KEY:										
Proposal Numbers with * are Next-phase proposals										
Topic Area Review Panel: E = Excellent, VG = Very Good, G = Good, F = Fair and P = Poor										
Geographic Panel Reviews: H = High, MH = Medium High, M = Medium, ML = Medium Low and L = Low										

ECOSYSTEM RESTORATION PROGRAM STATUS

October 20, 2000

Funding Source	Total Amount Appropriated	Funds Approved For Projects	Misc/Admin/Contingency	Funds Obligated And/Or Committed	Funds Expended To Date
Federal Bay Delta Act	\$190 million	\$173.2 million (143 projects)	\$16.8 million	\$156.3 million	\$50.2 million
State Prop 204	\$60 million	\$52.6 million (75 projects)	\$7.4 million	\$47.3 million	\$22.5 million
EPA Watershed	\$2 million	\$2 million (4 projects)	-0-	\$2 million	\$1.2 million
CA Urban Water Agencies	\$32 million	\$28 million (44 projects)	\$4 million	\$22.3 million	\$15.2 million
TOTAL	\$284 million	\$255.8 million (266 projects) (9 programs)	\$28.2 million	\$227.9 million	\$89 million

Funds Approved for Projects:

- This includes funding for projects which have been approved by Secretary for Interior or Secretary for Resources.
- Selection and approval of projects includes a complex process of technical and policy review by the public, stakeholders and agencies.

Funds Obligated to Date:

- This includes funding for projects which have a signed contract or interagency agreement.
- Outstanding contracts are being signed or in some cases funds are being returned to the pool for use in funding future projects.
- CALFED will be closely scrutinizing future projects to ensure that projects which are selected are ready and able to be implemented. Increased emphasis has been placed on cost and technical feasibility as part of the technical review. Future technical review panels will include fiscal and contract expertise and technical expertise beyond biologists including engineers, hydrologist and water quality experts.

Funds Expended to Date:

- This includes funding for project tasks which have been constructed or completed, invoiced and paid.
- CALFED contracts are reimbursable contracts. Because of this, there is an initial period of time between when work has been executed or completed and subsequent invoicing and payment. This can result in an initial low rate of expenditure.
- CALFED enters into three year contracts for project activities. Depending on the nature of the project, most funds are expended in the second and third years. Some activities such as acquisition of property or the purchase of conservation easements can be executed quickly resulting in more rapid expenditures.

ERP TRACKING TABLE

Project Title	Category	Applicant	Gen Area	Approved Funding	Obligated	Expended	Status
CALFED Administered Contracts/PROP 204							
1997-C201	RD 108 Screen Construction	Fish Screen/Passage	RD 108				Construction complete. Final testing scheduled for spring 2000
1997-C202	Princeton Fish Screen Construction	Fish Screen/Passage	RD 1004	\$2,500,000	\$2,500,000	\$2,458,430	Construction complete. Additional testing needed
1997-C203	Watershed Management Planning for Sacramento River Riparian Program	Watershed Management	CWR	\$1,750,000	\$1,750,000	\$1,488,027	Fully executed 7/02/98. DWR completed subcontract with Chico State for the program. About 53% completed
1997-C204	Selected Fish Screens	Fish Screen/Passage	DFG	\$200,000	\$200,000	\$67,955	Fully executed contract for small screens for 314,850 on 2/7/99. One fish screen is 40% complete & other work is proceeding
1997-C205	Effects of Wetlands Restoration on Methyl Mercury Levels	Environmental Water Quality	UC Davis	\$314,850	\$314,850	\$61,843	Completed purchase of mercury analyzer & has verified analytical methods. Field sampling & field sample analysis ongoing. Have completed 1st year summary report. Started mercury methylation experiments.
1997-C206	Contaminant Effects on Smelt	Environmental Water Quality	UC Davis	\$546,171	\$546,171	\$175,000	Archived smelt analysis started. Sampling conducted in cooperation w/ IEP & analysis of samples started
1997-C207	Preventing Exotic Introductions from Ballast Water	Introduced & Unacceptable Species	UC Sea Grant Extension Program	\$437,326	\$437,326	\$75,468	First newsletter completed, first video-conference & ballast forum held.
1997-C208	San Joaquin River Real-time Water Quality Management Program	Environmental Water Quality	DWR	\$222,830	\$222,830	\$49,500	Water quality sampling and analysis ongoing. San Joaquin River Real-time Water Quality Forecast available on web to MCOU co-sponsors each week.
1997-C209	Developing a Genetic Baseline for San Joaquin Salmon	Fish Management/Hatchery	DFG	\$301,857	\$301,857	\$0	Contract fully executed by 11/1/99. Project has been delayed & they have requested a time extension. Genetic analysis started Aug. 1999.
1997-C211	Gravel at Basso Bridge	Habitat Restoration	DFG	\$387,603	\$387,603	\$0	All permits received. Construction complete. Monitoring started in September 1999.
1997-C212	Evaluation of Alternative Pesticide Use Reduction Practices	Environmental Water Quality	UC Davis	\$256,975	\$256,975	\$4,262	First Draft of Alternative Practices Matrix complete. Education, outreach and field studies ongoing.
1998-C201	Twinbell Island Subsidence Study	Habitat Restoration	DWR	\$957,781	\$957,781	\$122,130	Fully executed 5/20/99. All subcontracts signed.
1998-C202	Culture of Delta Smelt	Fish Management/Hatchery	UC Davis	\$194,870	\$194,870	\$194,870	Project complete. Final report completed.
1999-C203	Hamilton Wetlands Restoration Planning	Habitat Restoration	Calif. Coastal Conservancy and SF BODC	\$1,025,015	\$1,000,015	\$658,550	Completed the feasibility study. EIR/ES, Hamilton Conceptual Restoration Plan, San Marin Keys feasibility study ongoing. Amendment for \$25,000 approved 9/99.

Project Title	Category	Applicant	Geo Area	Approved Funding	Obligated	Expended	Status
1998-C05 Basses Bridge and Merced River Ranch Land Acquisition and Restoration	Habitat Restoration	DFG	East San Joaquin	\$830,500	\$830,500	\$0	Working with Wildlife Conservation Board to contact property owners and get properties appraised.
1998-C06 Water Quality Criteria for Chlorophyll and Dissolved Oxygen (Designated Action)	Environmental Water Quality	DFG	Landscape	\$67,753	\$67,753	\$41,642	All toxicity tests and reports complete. Draft final report out for peer review 10/99. Final report due 3/01/00.
1998-C07 Fathead Minnow Toxicity	Environmental Water Quality	CVRWQCB	Landscape	\$400,000	\$400,000	\$36,224	Subcontract with UCD for toxicity testing executed. Invoice dated - No deliverables.
1998-C08 Algae Toxicity Study	Environmental Water Quality	CVRWQCB	Landscape	\$500,000	\$500,000	\$48,448	Subcontract with UCD for toxicity testing executed. Summary report on testing algae toxicity data and workshop in progress. Invoice denied - No deliverables.
1998-C09a Sediment Water Quality	Environmental Water Quality	DFG	Sacramento-San Joaquin Delta	\$24,000	\$24,000	\$2,410	Technical Advisory Panel has been meeting.
1998-C09b Sediment Water Quality	Environmental Water Quality	DFG	Sacramento-San Joaquin Delta	\$276,000	\$276,000	\$0	Signed task order for year one work. Helped select Technical Advisory Panel.
1998-C09c Sediment Water Quality	Environmental Water Quality	RWQCB	Sacramento-San Joaquin Delta	\$200,000	\$200,000	\$26,862	Signed task order for year one work. Helped select Technical Advisory Panel.
1998-C10 CHARR DA	Habitat Restoration	DWR	Landscape	\$800,000	\$800,000	\$0	Draft report completed 5/99. Developing "white papers" in partnership with EPR. Water Quality Program/CHARRP Dissolving Water Workshop held 8/99. Report describing baseline monitoring elements in progress.
1998-C11 Chinook Salmon Movement in the Lower SJR and South Delta	Fish Management/Hatchery	DFG	San Joaquin River	\$185,000	\$285,000	\$0	Due to staff changes and delays in obtaining equipment project will require time extension.
1998-C12 Genetic Comparison of Steelhead Stocks in Clear Creek	Fish Management/Hatchery	USFWS	North Sacramento Valley	\$45,493	\$45,493	\$0	Contract signed 11/10/99. Not progressing due to 10% retention controversy.
1998-C13 Spawning Areas of Green Sturgeon in the Upper Sacramento River	Habitat Restoration	USFWS	Sacramento River	\$60,801	\$60,801	\$0	Contract signed 11/10/99. Not progressing due to 10% retention controversy.
1998-C14 Monitoring Spring and Winter-run Chinook Salmon and Steelhead in Battle Creek	Fish Management/Hatchery	USFWS	North Sacramento Valley	\$150,000	\$150,000	\$0	Contract signed 11/10/99. Not progressing due to 10% retention controversy.
1998-C15 Biological Assessment of Green Sturgeon in the Sacramento-San Joaquin Watershed	Fish Management/Hatchery	UC Davis	Landscape	\$241,000	\$241,000	\$64,657	Work on all tasks ongoing.
1998-C16 Developing a Methodology to Accurately Simulate Enhancement of Fish	Fish Screen/Passage	DFG	Sacramento-San Joaquin Delta	\$200,000	\$200,000	\$0	Contract executed 12/99.
1998-C01 Cosumnes River Feasibility Study	Habitat Restoration	The Nature Conservancy	Eastside Delta Tributaries	\$400,000	\$400,000	\$0	Contract not executed. Working with Corps to refine Project Study Plan (PSP). Waiting for completion PSP to finalize their role in implementing the plan.
1998-C02 Mokelumne River Feasibility Study	Habitat Restoration	ESMUD	Eastside Delta Tributaries	\$400,000	\$400,000	\$0	Working with Corps to refine Project Study Plan (PSP).
Summary for Contracting Agency - CALFED Administered Contract/PROP 204 (10 detail records)				\$18,242,225	\$17,817,225	\$5,653,741	

Sum

Project Title	Category	Applicant	Geo Area	Approved Funding	Obligated	Expended	Status
C1119A							
1995-M01 Interim Flow Restoration	Environmental Water Acquisition	USFWS	North Sacramento Valley	\$0	\$0	\$0	Project completed.
1995-M02 Fish Screen and Ladder Construction	Fish Screen/Passage	Durham Mutual	Hutte Basin	\$316,500	\$316,500	\$316,500	Project Completed.
1995-M03 Construct Fish Ladder on Parrot-Phelan Dam	Fish Screen/Passage	M&T Ranch/Parrot Investments Co	Rutte Basin	\$0	\$0	\$0	Project completed.
1995-M04 Gravel Restoration Project	Habitat Restoration	DWR	Sacramento River	\$0	\$0	\$0	Project completed.
1995-M05 Pump Station Relocation Construction	Fish Screen/Passage	M&T Ranch/Parrot Investments Co	Rutte Basin	\$1,610,000	\$1,610,000	\$1,610,000	Project Completed.
1995-M06 Implementing Programs to Reduce the Use of Pesticides and Fertilizers in Sacramento and San Joaquin Watersheds (BOC)	Environmental Water Quality	Community Alliance with Family Farmers	Landscape	\$660,000	\$660,000	\$659,776	Year 2 of 3 year project. Final deliverables due 12/99.
1995-M07 Fish Screen Construction	Fish Screen/Passage	Sutter Resource Conservation District	Sutter Marsh/North San Francisco Bay	\$450,000	\$450,000	\$450,000	Project Completed.
1995-M08 Winter-run Chinook Salmon Captive Breeding Program	Fish Management/Hatchery	DWR	Landscape	\$300,000	\$300,000	\$284,000	Project Completed.
1995-M09 Construct Siphon & Associated Improvements	Fish Screen/Passage	Western Canal Water District	Rutte Basin	\$3,005,873	\$3,005,873	\$2,996,067	Project Completed. Total cost \$9,128,200, under budget by \$329,419.
1995-M10 Prospect Island - Shallow Water Habitat/Wetlands Restoration Plan	Habitat Restoration	DWR	Sacramento San Joaquin Delta	\$2,500,000	\$2,500,000	\$0	Env. Documentation completed. Call III contract can be executed in near future. Total cost excludes USBR purchase of land \$2,900,000.
1995-M11 Sutter Habitat Restoration Various Colusa (Phase 1 & 2)	Habitat Restoration	USCOE	Sacramento River	\$500,000	\$500,000	\$254,379	Demo project 80% complete. Corps needs additional funding. Project work on hold.
1995-M12 Princeton Pumping Plant Fish Screen (Phase 1 & 2)	Fish Screen/Passage	RID 1004	Sacramento River	\$75,000	\$75,000	\$75,000	Project Completed.
1995-M13 Fish Screen - Feasibility Engineering	Fish Screen/Passage	Princeton-Colusa-Glenn / President Irrigation Districts	Sacramento River	\$75,000	\$75,000	\$75,000	Project Completed.
1995-M14 Cosumnes River Preserve (Valerius Ranch Acquisition)	Habitat Restoration	The Nature Conservancy	Eastside Delta Tributaries	\$1,500,000	\$1,500,000	\$1,500,000	Project Completed.
1995-M15 Fish Screen Construction	Fish Screen/Passage	Princeton-Colusa-Glenn / President Irrigation Districts	Sacramento River	\$5,500,000	\$5,500,000	\$4,411,764	Project granted line extension to 12/31/2000. Project is 95% complete.
1995-M16 Fish Screen Construction (Phase 2 - Install Additional Screens)	Fish Screen/Passage	Sutter Resource Conservation District	Sutter Marsh/North San Francisco Bay	\$500,000	\$500,000	\$237,725	Negotiations stayed pending USFWS decision on project priorities.
1995-M17 Sherman Island - Levee Habitat Demonstration Project	Habitat Restoration	DWR	Sacramento San Joaquin Delta	\$480,000	\$480,000	\$376,266	Bids exceed budget. Steering Committee denied request for additional funding. Proponent evaluating next step.
1995-M18 Research to Predict Evolution of Restored Chard Wetlands	Habitat Restoration	University of Washington	Sacramento San Joaquin Delta	\$275,172	\$275,172	\$283,659	Steering Committee approved additional \$100,172 for additional fisheries and bird field work. Project is 93% complete.
1995-M19 Applied Research to Identify Chinook Salmon Run via Genetics	Fish Management/Hatchery	DWR	Landscape	\$450,000	\$450,000	\$0	Project is underway. DWR Subcontracted with UC Davis for 3yr contract. Contractor has submitted 4 progress reports and several invoices approved by DWR and paid. Final report due 6/2000.

Project Title	Category	Applicant	Gen Area	Approved Funding	Obligated	Expended	Status
1996-M12	Battle Creek - Chinook Salmon & Steelhead Restoration Study	Fish Management/Industry	North Sacramento Valley	\$306,000	\$306,000	\$306,000	Project Completed
1996-M13	Yolo Bypass - Habitat Restoration Study	Habitat Restoration	Sacramento-San Joaquin Delta	\$228,000	\$228,000	\$228,000	Field work completed. Final report pending
1996-M14	Clear Creek - Property Acquisition	Habitat Restoration	North Sacramento Valley	\$211,000	\$1	\$0	Project terminated
1996-M15	Intro. of Non-Indigenous Aquatic Species Research Program	Introduced & Unintentional Species	Landscape	\$107,000	\$197,000	\$187,025	Project complete
1996-M16	Sacramento River and Major Tributary Mapping Project	Habitat Restoration	Sacramento River	\$143,200	\$145,200	\$61,342	Project 80% complete
1996-M17	Yuba River Fish Screen Replacement	Fish Screen/Passage	Feather River & Sutter Basin	\$114,750	\$114,750	\$110,778	Project completed
1996-M18	Determining Effects of Tracts	Environmental Water Quality	Landscape	\$110,000	\$110,000	\$15,000	Shasta Committee terminated project - agreement could not be reached on project scope
1996-M19	Wilkins Slough - Fish Screen Program Design	Fish Screen/Passage	Sacramento River	\$100,000	\$100,000	\$100,000	Project Completed
1996-M20	Fish Screen Project	Fish Screen/Passage	San Joaquin River	\$100,000	\$0	\$0	Funding rescinded by mutual consent due to timing
1996-M21	Adams Dam Fish Screen & Ladder	Fish Screen/Passage	Battle Basin	\$70,304	\$70,304	\$70,301	Project Completed
1996-M22	Gorral Dam Fish Screen & Ladder	Fish Screen/Passage	Battle Basin	\$67,996	\$67,996	\$67,996	Project Completed
1996-M23	Innovative Fish Screen for Small Diversions Demonstration Project	Fish Screen/Passage	Landscape	\$90,000	\$90,000	\$51,773	Project will be completed excluding work of on-farm screen testing due to liability issue (trial)
1996-M24	Battle Creek - Watershed Management Strategy Plan	Watershed Management	Battle Basin	\$83,000	\$83,000	\$57,722	90% complete
1996-M25	Battle Creek - Chinook Salmon & Steelhead Watershed Conservancy	Watershed Management	North Sacramento Valley	\$50,000	\$50,000	\$45,118	Project is 90% complete. Waiting for supplemental funding from USFWS
1996-M26	Prospect Island - Develop Monitoring Plan	Habitat Restoration	Sacramento-San Joaquin Delta	\$35,000	\$35,000	\$35,000	Project Completed
1996-M27	North Delta Area - Juvenile Salmon Rearing	Habitat Restoration	Sacramento-San Joaquin Delta	\$24,500	\$24,500	\$19,048	Project completed 11/15/98
1997-M01	Wilson Ranch Screen	Fish Screen/Passage	Sacramento River	\$200,000	\$0	\$0	Deseret Farms of California considering alternatives following flood damage
1997-M02	Battle Creek Screens and Fish Passage	Fish Screen/Passage	North Sacramento Valley	\$395,000	\$395,000	\$26,152	DWR has completed first phase of work, remaining work in progress. Also funded with 99-816 remaining work to be consistent with \$20million Battle Creek Project
1997-M03	Gorral Dam Screen and Ladder	Fish Screen/Passage	Battle Basin	\$303,641	\$303,641	\$303,641	Project is complete
1997-M04	Adams Dam Screen and Passage	Fish Screen/Passage	Battle Basin	\$217,000	\$217,000	\$216,892	Project is complete
1997-M05	Seitzner Dam Fish Passage	Fish Screen/Passage	North Sacramento Valley	\$236,200	\$136,200	\$0	Project on hold until negotiations between Townsend Filtration Water Ditch Co. and USBR regarding water rights are concluded. Amendment for \$1000,00 approved 3/00.
1997-M06	Hastings Tract Screen Feasibility Study	Fish Screen/Passage	Sacramento-San Joaquin Delta	\$27,000	\$0	\$0	Final contract pending approval by Hastings Island Co.

Project Title	Category	Applicant	Geo Area	Approved Funding	Obligated	Expended	Notes
1997-M07	Fish Screen/Passage	Banta-Carbena Irrigation District	San Joaquin River	\$938,875	\$938,875	\$21,133	Contract signed 9/1/98
1997-M08	Tuolumne River Channel Restoration (Pool 9)	Tulecek Irrigation District	East San Joaquin	\$2,253,100	\$0	\$0	CYMA is funding engineering work. Final design 30% complete, for summer of 2001.
1997-M09	Tuolumne River Selfback Levees and Channel Restoration	Tulecek Irrigation District	East San Joaquin	\$2,801,000	\$0	\$0	CALFED approved \$107,000 additional funding for project. Draft contract complete. Also funded with 98-F06
Summary for Contracting Agency - CUYWA (44 detail records)							
				\$28,058,105	\$22,266,006	\$15,207,064	
Sum							
NFWF Administered Contract/PROP 204							
1997-M01	Assessment and Implementation of Urban Use Reduction of Dixon and Colbyville (Sacramento County)	Sacramento Area Stormwater Permittees	Sacramento River	\$683,500	\$683,500	\$220,690	Contract signed 8/29/98. EMFOUAP complete, sampling beginning, creating draft S05 for watershed model and ERA workshop.
1997-M02	Sacramento River Floodplain Acquisition and Riparian Restoration	WCB, USFWS, The Nature Conservancy	Sacramento River	\$3,879,800	\$5,879,800	\$8,204,719	Contract signed 3/4/99. Two properties purchased.
1997-M03A	Sacramento River Acquisition and Riparian Forest Restoration	USFWS, The Nature Conservancy	Sacramento River	\$780,000	\$780,000	\$386,427	Contract signed 12/8/98. Property acquired and restoration project-planning and monitoring have begun.
1997-M03B	Sacramento River Floodplain Acquisition and Riparian Restoration	WCB	Sacramento River	\$512,500	\$512,500	\$174,993	Contract signed 7/26/99
1997-M04	Sacramento River Meander Restoration	The Nature Conservancy	Sacramento River	\$898,700	\$898,700	\$843,688	Contract signed 10/28/98. Property purchased. Completing subcontracts for site preparation and planning.
1997-M05	Restoration Planning (M and N Fork American River, Auburn Ravine, Coon Creek)	Placer County	American River Basin	\$222,530	\$222,530	\$0	Contract executed 3/25/99
1997-M06	Bulge Creek Acquisition and Riparian Restoration	CSU, Chico	Bulge Basin	\$187,126	\$187,126	\$165,212	Contract signed 12/1/98. Property acquired. Also funded with 98-F03. Ecological Reserve Management Plan received. Amendment for \$1,000 approved 7/99.
1997-M07	Coltonwood Creek Channel Restoration Planning	Graham Matthews & Associates	Coltonwood Creek	\$61,000	\$61,000	\$26,617	Contract signed 7/1/98. Work is ongoing.
1997-M08	Lower Mill Creek Riparian Restoration	Mill Creek Conservancy, The Nature Conservancy	Bulge Basin	\$69,000	\$69,000	\$17,273	Contract signed 12/24/98. Property acquired and site restoration plan and monitoring protocol received. Also funded with 98-F04.
1997-M09	Monitoring of Delta Contaminants	San Francisco Baykeeper	Sacramento-San Joaquin Delta	\$100,000	\$100,000	\$55,742	Contract signed 9/18/98. Monitoring has begun.
1997-M10	Japson Prairie Restoration and Conservation Plan	Solano County Farmlands, Open Space Foundation	Sacramento-San Joaquin Delta	\$244,801	\$244,801	\$68,174	Contract signed 12/9/98. Plans prepared and restoration underway. Amendment for \$201 approved 7/99.
1997-M11	In-Channel Island Restoration/Demonstration	Association of Bay Area Governments	Sacramento-San Joaquin Delta	\$276,276	\$276,276	\$268,614	Contract signed 7/15/98. Plan Complete.
1997-M12	Franklin Tract Restoration	Moffat and Nichol Engineers, DPR, DWR	Sacramento-San Joaquin Delta	\$323,186	\$323,186	\$185,002	Contract signed 12/29/98. Budget amendment for \$16,500 approved 11/99 and \$75,186 approved 3/00. 30% of design completed.

Project Title	Category	Applicant	Geo Area	Approved Funding	Obligated	Expended	Status
1997-N13 Tyler Island Levee Protection and Habitat Restoration Pilot Project	Habitat Restoration	Habitat Assessment & Restoration Team, Inc.	Sacramento-San Joaquin Delta	\$885,202	\$885,202	\$568,867	Contract signed 7/22/98. Levee restoration and planting nearly complete, monitoring to begin
1997-N14 Cosumnes Start-up Stewardship and Restoration	Habitat Restoration	WCB, The Nature Conservancy	Eastside Delta Tributaries	\$1,585,100	\$1,585,100	\$583,227	Contract signed 6/22/99. Property will be acquired.
1997-N16 Bay Point Shoreline Restoration Plan	Habitat Restoration	East Bay Regional Park District	Suisun Marsh/North San Francisco Bay	\$185,000	\$185,000	\$98,585	Contract signed 8/21/98. Subcontract with consultant complete (plant), final negotiation of 2nd subcontract (design) underway
1997-N18 Cullinan Ranch Restoration	Habitat Restoration	Ducks Unlimited, Inc.	Suisun Marsh/North San Francisco Bay	\$368,500	\$368,500	\$0	Contract executed 3/20/99. Monitoring ready to start
1997-N19 Tuley Creek Restoration	Habitat Restoration	Ducks Unlimited, Inc.	Suisun Marsh/North San Francisco Bay	\$280,000	\$280,000	\$232,090	Contract and first task order approved by CALFED and signed 10/17/98. Construction complete, monitoring has begun.
1997-N20 Implementing Programs to Reduce the Use of Pesticides and Fertilizers in Sacramento and San Joaquin Watersheds	Environmental Water Quality	Community Alliance with Family Farmers	Landscape	\$1,880,631	\$1,880,631	\$1,270,729	Contract signed 7/22/98. Task 1-3 almost complete, transitioning to RLOS program.
1997-N21 Knights Ferry Gravel Replenishment	Habitat Restoration	Carl Meach Consultants	East San Joaquin	\$535,418	\$535,418	\$510,503	Contract signed 5/20/98. Gravel placement almost complete, monitoring has begun.
1998-N01 RD 2035 Fish Screen	Fish Screen/Passage	RD 2035	Sacramento River	\$100,000	\$100,000	\$0	Contract executed 3/21/99. Subcontract approved
1998-N02 Expanding California Salmon Habitat to Alor Dams and Diversions	Habitat Restoration	Institute for Fisheries Resources	Landscape	\$49,000	\$49,000	\$31,876	Contract signed 3/12/99. Subcontract approved.
1998-N03 Life History and Stock Composition of Steelhead Trout	Fish Management/Hatchery	Yuba Co. Water Agency	Feather River & Sutter Basin	\$120,000	\$120,000	\$0	Contract signed 6/9/99.
1998-N04 Small Fish Screen Evaluation	Fish Screen/Passage	Pelgar Mutual Water Company	Sacramento River	\$95,000	\$0	\$0	Seeking increase in monitoring scope and total amount for increased monitoring requirements. Agreement actively being negotiated.
1999-N01 ACIO Fish Screen	Fish Screen/Passage	Anderson-Cottonwood Irrigation District	Sacramento River	\$5,100,000	\$5,100,000	\$2,582,879	Contract signed 8/3/99. RFP for construction has been sent.
1999-N02 Fish Treadmill Developed Fish Screen Criteria for Native Sacramento-San Joaquin Watershed Fishes	Fish Screen/Passage	UC Davis	Landscape	\$823,000	\$0	\$0	Contract signed 1/9/00.
1999-N03 East Delta Habitat Corridor (Georgiana Slough)	Habitat Restoration	Habitat Assessment & Restoration Team, Inc.	Landscape	\$1,100,000	\$1,100,000	\$259,743	Contract signed 11/23/99.
1999-N04 Lake Red Bluff Riparian Area Restoration & Education Support Project	Habitat Restoration	Calif. Conservation Corps	Sacramento River	\$29,114	\$29,114	\$26,179	Contract executed 4/14/00
1999-N05 Reintroduction of Endangered Soft Shells to Restored Habitat	Habitat Restoration	UC Davis	Suisun Marsh/North San Francisco Bay	\$148,027	\$148,027	\$32,887	Contract signed 1/00.
1999-N06 United Hydrogeomorphic Ecosystem Models to Support Adaptive Management	Habitat Restoration	UC Davis	Eastside Delta Tributaries	\$1,548,016	\$1,548,016	\$0	Contract signed 1/00.
1999-N07 Chronic Toxicity of Environmental Contaminants in Sacramento Sediment - A Biomarker Approach	Environmental Water Quality	UC Davis	Suisun Marsh/North San Francisco Bay	\$673,664	\$673,664	\$0	Contract signed 1/00.
1999-N08 Assessment of Pesticide Effects on Fish & Their Food Resources in the Sacramento/San Joaquin Delta	Environmental Water Quality	UC Berkeley	Landscape	\$1,599,894	\$0	\$0	Scope study, waiting for invoicing resolution.

Project Title	Category	Applicant	Gen Area	Approved Funding	Obligated	Expended	Status
1999-N10 Effects of Introduced Species of Zooplankton & Clams on the Bay-Delta Food Web	Introduced & Undesirable Species	CSU, San Francisco	Landscape	\$553,384	\$0	\$0	Contract executed 4/1/00
1999-N10 Assessing Ecological & Economic Impacts of the Chinese Mitten Crab	Introduced & Undesirable Species	UC Berkeley	Landscape	\$113,033	\$0	\$0	Scope only, waiting for meeting resolution
1999-N11 Purple Loosestrife Prevention, Detection & Control Actions for the Sacramento-San Joaquin River Delta System	Introduced & Undesirable Species	DFA	Landscape	\$127,473	\$127,473	\$33,745	Contract signed 10-12-99
1999-N12 Central Valley Steelhead Genetic Evaluation	Fish Management/Stockery	DFO	Landscape	\$70,636	\$0	\$0	Contract executed 4/7/00
1999-N13 Development of a Comprehensive Implementation Plan for a Statistically Designed Marking & Recovery Plan	Fish Management/Hatchery	DFO	Landscape	\$74,951	\$0	\$0	Contract executed 4/11/00
1999-N14 Colusa Basin Watershed Project	Watershed Management	Colusa County RCD	Colusa Basin	\$402,500	\$0	\$0	Approved by Secretary
1999-N15 Lower Mokelumne Stewardship	Watershed Management	San Joaquin Resource Conservation District	Eastside Delta Tributaries	\$227,000	\$227,000	\$24,749	Contract under negotiation
1999-N16 Clear Creek Prescription	Watershed Management	Western Stanislaus Resource Conservation District	North Sacramento Valley	\$259,290	\$259,290	\$308	Contract Executed 5/8/00
1999-N17 Yuba Watershed Council	Watershed Management	Yuba Watershed Council Nevada City RCD	Feather River & Silver Basin	\$142,618	\$0	\$0	Contract under negotiation
1999-N18 Lewis Setback Geomorphic Model	Watershed Management	UC Davis	Landscape	\$104,458	\$0	\$0	Contract under negotiation
1999-N19 American River (South and Middle Fork) Watershed Stewardship Project	Watershed Management	Georgetown Divide Resource Conservation District	American River Basin	\$203,250	\$0	\$0	Contract under negotiation
1999-N20 Napa River Watershed Stewardship Year 2	Watershed Management	Napa County Resource Conservation District	Suisun Marsh/North San Francisco Bay	\$191,100	\$0	\$0	Contract under negotiation
1999-N21 Development of a River corridor Management Plan for the Lower American River	Watershed Management	Sacramento City/Water Forum	American River Basin	\$240,000	\$0	\$0	Contract under negotiation
Summary for Contracting Agency - NFWF Administered Contracts/FY00-2004 (45 detail records)				\$34,414,258	\$28,521,758	\$16,854,325	
Sum							
NRCS							
1999-R01 Small Diversion Fish Screen Program	Fish Screen/Passage	NRCS	Sacramento-San Joaquin Delta	\$900,000	\$900,000	\$24,076	Funds will be used to complete existing projects. New projects will be recruited through NRCS process.
1999-R01 Floodplain Ecosystems Lower Tuolumne and San Joaquin (DAR)	Habitat Restoration	NRCS	East San Joaquin	\$1,545,000	\$1,545,000	\$0	Contract executed 7/27/99. Project underway.
2000-R01 Sacramento River Small Diversion Fish Screen Program - Mechanical Monitoring and Maintenance Project	Fish Screen/Passage	Family Water Alliance	Sacramento River	\$322,081	\$322,081	\$0	
Summary for Contracting Agency - NRCS (3 detail records)				\$2,767,081	\$2,767,081	\$24,076	
Sum							

Project Title	Category	Applicant	Geo Area	Approved Funding	Obligated	Expended	Status
USBR							
1997-801	Watershed Improvements/Sediment Stabilization (Delt, Mill, Antelope Creeks)	USFS	Delta Basin	\$371,000	\$371,000	\$147,013	Implemented erosion control measures at known slides. Three additional demonstration projects were completed. Effectiveness monitoring completed on demo projects completed last year. Finalized agreement with Butte Creek Conservancy for inventory work.
1997-802	Sedimentation Movement and Availability and Monitoring in the Delta	USGS	Sacramento-San Joaquin Delta	\$1,047,010	\$1,047,010	\$242,850	Contract executed 3/16/98 for \$580,000. Contract executed 5/21/98 for \$460,000. No-cost Amendment to extend agreement 9 mos to 6/30/01. Project progressing.
1997-803	Liberty Island Acquisition	USFWS	Sacramento-San Joaquin Delta	\$8,926,000	\$8,926,000	\$8,772,000	Amendment approved in 1999 for \$170,000 and in 7/99 for 170,000. Property acquired 8/99. Awaiting environmental documentation - in progress.
1997-804	Acquisition and Restoration of Refuge lands (SJR NWR)	USFWS	San Joaquin River	\$10,827,000	\$10,827,000	\$2,131,120	One parcel acquired. Appraisals underway on other parcels. Amendment for \$300,000 approved 7/99. Closure expected soon. Time extension to 3/31/01.
1997-805	Bear Creek Floodplain Restoration Demonstration Project (SLNWR)	USFWS	San Joaquin River	\$334,000	\$334,000	\$331,408	Hydraulic modeling underway. Contract executed 5/26/98.
1997-806	Assessment of Organic Matter in the Habitat and its Relationship to the Food Chain	USGS	Landscape	\$1,440,849	\$1,440,849	\$1,119,966	Contract executed 3/16/98 for \$517,000. Contract executed 7/22/98 for \$633,000. Project underway. Amendment for \$40,549 approved 1/99.
1998-801	Richer Brothers Screen, Phase I	Richer Brothers	Sacramento River	\$40,000	\$40,000	\$48,000	Feasibility Study completed.
1998-802	Baeger Family Farm Screen - Feasibility Study Phase I	Baeger Family Farms	Sacramento River	\$15,000	\$15,000	\$13,811	Drill feasibility study completed.
1998-803	ACID Fish Passage	Alderson-Cottonwood Irrigation District	Sacramento River	\$325,000	\$325,000	\$325,000	Completed
1998-805	Sand and Silt Creek Watershed Project	Colusa County Resource Conservation District	Colusa Basin	\$599,000	\$599,000	\$347,902	Baseline data gathered.
1998-807	Evaluation of Sediment Sources, Levels, and Consequences in the Delta	USGS	Sacramento-San Joaquin Delta	\$1,827,117	\$1,827,117	\$1,228,483	Determining contribution of Se to the Bay Delta from rivers et al - 80% complete; biomonitoring selected prey species - 75% complete; Sedimentation of different forms of Sediment - 75% complete; models - 45% complete. Amend for \$28,117 approved 7/99.
1998-808	Catche Slough Habitat Enhancement	RD No 2060	Sacramento-San Joaquin Delta	\$85,000	\$85,000	\$11,665	Contract executed 9/7/99. Topographic survey completed.
1998-809	IFM Partnership to Improve Water Quality in Suisun Bay and Local Creeks	Central Contra Costa Sanitary District	Suisun Marsh/North San Francisco Bay	\$266,000	\$266,000	\$169,062	Scripted and filmed training video. Trained Master Gardeners, which held 14 "Guiding the Less-Talented" workshops.
1998-810	Inventory of Forest Road Systems, Cal Creek Watershed	USFS	Eastside Delta Tributaries	\$45,320	\$45,320	\$14,115	Updating road mapping. No cost time extension to 6/30/00.

Project Title	Category	Applicant	Gen Area	Approved Funding	Obligated	Expended	Status
1998-B11	Woodbridge Fish Screen and Passage Fish Screen/Passage	Woodbridge Irrigation District	Eastside Delta Tributaries	\$1,575,000	\$1,575,000	\$554,509	ERFIS certification expected by 9/00. Engineering work 25-30% complete on fish passage and weir facilities. Time extension to 10/15/01.
1998-B13	Hapa River Wetlands Acquisition	Hapa County Land Trust	Station Marsh/Hapa San Francisco Bay	\$1,073,513	\$1,073,513	\$100,000	Executed 9/24/98
1998-B14	Redwood treatment of Sediment in the Environmental Water Purification Drainage	UC Berkeley	West San Joaquin	\$1,149,000	\$1,149,000	\$720,795	Continuous monitoring system for flow and water quality has had operational problems have been partially solved. ADRS System continues to be tested for sediment removal. Two potential sites selected for ADRS System. Website
1998-B15	Evaluation of Tagging Data	Northwest Marine Technology Inc	Landscapes	\$672,600	\$672,600	\$264,387	Mass marking demonstration machine is fully operational and will be available for planned work in the Sacramento Valley Feb 2001. Amendment for \$9,500 in 9/99 and \$28,100 in 11/98.
1998-B16	Bullitt Creek Screens and Fish Passage	USBR	North Sacramento Valley	\$305,000	\$395,000	\$52,620	Completed topographic survey. Also funded with 9/1 ADR
1998-B17	Conservation Floodplain Acquisition and Habitat Restoration	The Nature Conservancy	Exposure Delta Tributaries	\$3,500,000	\$3,500,000	\$3,500,000	Properties acquired 12/98. Completed
1998-B21	Arachnoid Fish Passage at Clough Dam on Mill Creek	DWR	Bullitt Basin	\$1,260,000	\$1,260,000	\$0	Contract executed 7/1/99. Site problems resolved 5/00. Amendment granted 7/00 for time extension.
1998-B22	Fish Passage Improvement Project at the Red Bluff Diversion Dam	Tahama-Colusa Canal Authority	Sacramento River	\$340,000	\$340,000	\$340,164	Field study completed.
1998-B23	Steelhead and Chinook Salmon Fish Passage Barrier Remediation on the Gustafson River	Natural Heritage Institute et. al.	Outside CALFED Region	\$178,200	\$178,200	\$0	Agreement sent 3/16/99. 100% complete. Work performed without an executed contract. Contract executed 8/28/99
1998-B24	ACID Fish Passage and Fish Screen Improvement Project, Phase II, Final Design	Anderson-Cottonwood Irrigation District	Sacramento River	\$990,000	\$860,000	\$840,719	Complete
1998-B25	Conness River Salmon Barrier Program Fishery	Fishery Foundation of California	Eastside Delta Tributaries	\$188,255	\$188,255	\$62,854	Permits obtained. Received appraisal from landowners to proceed with construction, completed engineering plans and project design. Construction will begin 8/00.
1998-B26	Boeger Family Farm Fish screen Phase II: Construction	Boeger Family Farms	Sacramento River	\$139,500	\$139,500	\$0	Contract executed 9/10/99
1998-B27	Hastings Tract Fish Screen Phase II: Construction	Hastings Island Land Company	Sacramento-San Joaquin Delta	\$271,200	\$0	\$0	Agreement being prepared.
1998-B28	City of Sacramento Fish Screen Replacement Project Phase 2 - Design	City of Sacramento	Sacramento River	\$654,500	\$654,500	\$0	Securing CDFIA Funding. Contract executed 9/1/00.
1998-B29	American Basin Fish Screen and Habitat Improvement Project	National Mutual Water Company	Sacramento River	\$200,000	\$200,000	\$118,505	Contract executed 9/1/99. Project 45% complete. Completed engineering analysis of the alternatives for Feasibility Study. report being prepared.
1998-B30	San Joaquin Valley Salmonids in the Classroom Program Enhancement	DFG	San Joaquin River	\$3,000	\$3,000	\$0	Executed 4/22/99. 50% complete.

Project Title	Category	Applicant	Geo Area	Approved Funding	Obligated	Expended	Status
1998-831	Traveling Film Festival/Winter Book/Video Archive	Education	Independent Documentary Group	Landscape	\$54,000	\$54,000	Exhibits in several locations have occurred.
1998-832	Environmental Agriculture Conference and Field Tours	Education	Committee for Sustainable Agriculture	Landscape	\$28,000	\$28,000	Two conferences held.
1998-833	Sacramento River, Headquarters to the Education Ocean, Public Information and Education	Education	Sacramento River Discovery Center	Sacramento River	\$49,640	\$49,640	Bird monitoring program expanded.
1998-834	Discover the Flyway	Education	Yolo Basin Foundation	Sacramento-San Joaquin Delta	\$49,000	\$22,510	Expanded program by 2000 students per year.
1998-835	The Butte Creek Watershed Educational Workshops and Field Tours Series	Education	CSU, Chico	Butte Basin	\$33,000	\$8,425	Initial workshop held.
1998-836	Bay-Delta Environmental Restoration Education Program	Education	Water Education Foundation	Landscape	\$40,000	\$32,209	23 reporters taken on tour.
1998-838	Water Hyacinth Education Program	Education	Sacramento Regional County Sanitation District	Sacramento-San Joaquin Delta	\$9,800	\$6,878	Flyer prepared.
1998-839	Water Challenge 2010	Education	San Francisco Bay Model Water Center, USACE	Landscape	\$64,500	\$3,000	Erected 35299.
1998-840	Tuolumne River Natural Resources Program	Education	City of Modesto	East San Joaquin	\$94,213	\$17,026	Phase I complete. 37 workshops were conducted with great results. Over 80% of the teachers requested a repeat performance next year. Amendment for \$10,555 approved 7/99.
1999-801	Butte Creek Salmon and Steelhead Restoration Project	Fish Screen/Passage	PG&E	North Sacramento Valley	\$28,000,000	\$1,948,587	Contract being prepared. Program supervisor hired.
1999-802	Lower Butte Creek Project Phase II	Fish Screen/Passage	Ducks Unlimited, Inc.	Butte Basin	\$775,000	\$73,860	Contract executed 9/1/99. Meetings and contractors surveys conducted. Additional hydrology and geotechnical information developed and analyzed. Findings reported in Preliminary Draft Management Plan 7/00.
1999-803	ACID Fish Passage and Fish Screen Improvement Project, Phase II	Fish Screen/Passage	Anderson-Cottonwood Irrigation District	Sacramento River	\$5,253,000	\$1,860,222	Contract executed 8/6/99. Project underway.
1999-804	Merced River Salmon Habitat Enhancement: Lower Stone	Habitat Restoration	DWR	East San Joaquin	\$0	\$0	Contract being prepared.
1999-805	Merced River Salmon Habitat Enhancement: Ratcliff Reach	Habitat Restoration	DWR	East San Joaquin	\$1,508,350	\$1,508,351	Contract executed 9/2/99. Staff submitted abstracts (poster and related presentation) for the CALFED Science Conference Fall 2000. Project complete.
1999-806	Assessment of Ecological and Human Health Impacts of Mercury in the Bay-Delta Watershed	Environmental Water Quality	CSU, San Jose	Landscape	\$4,164,000	\$750,000	Contract executed 9/30/99. Amendment approved 5/17/00 for additional \$364,000. Sub contracts executed for project.
1999-807	Fish Passage Improvement Project at the Red Bluff Diversion Dam	Fish Screen/Passage	Tehama-Colusa Canal Authority	Sacramento River	\$1,020,000	\$207,982	Contract executed 9/10/00. Ground and aerial surveys, topographic, digital base mapping, and schematic studies design completed. \$101,9420 amendment to contract signed 9/11/00.
1999-808	Improve Upstream Ladder & Barrier Weir @ Coleman Hunt Fish Hatchery at Butte Creek	Fish Screen/Passage	USFWS	North Sacramento Valley	\$2,500,000	\$168	Contract executed 9/7/99. Survey and construction work has started. Design and environmental work is expected to be completed by 5/01.

Project Title	Category	Applicant	Geo Area	Approved Funding	Obligated	Expended	Status
1999-009 Development of Implementation Plan for Lower Yuba River Anadromous Fish Habitat Restoration	Habitat Restoration	Surface Water Resources, Inc.	Foothill River & State Delta	\$3,000,000	\$3,000,000	\$0	Contract executed 7/23/99
1999-010 Species & Community Profiles of the SF Bay Area Wetlands Ecosystem Goals Project	Environmental Water Quality	Friends of S.F. Estuary	Suisun Marsh/North San Francisco Bay	\$45,320	\$0	\$0	Contract being prepared
1999-011 South Napa River Tidal Slough & Floodplain Restoration Project	Habitat Restoration	City of American Canyon	Suisun Marsh/North San Francisco Bay	\$1,505,000	\$1,585,000	\$1,565,000	Contract executed 4/13/00
1999-012 Riparian Corridor Acquisition & Restoration Assessment	Habitat Restoration	USBLM	Sacramento River	\$2,240,250	\$2,176,017	\$1,017	Contract executed 3/21/00 Conveyance of easements, Phase I, planned to occur in Aug 2000. Phase II will occur following resolution of title issues involving State Lands Commission and accreted lands.
1999-013 Understanding Tidal Marsh Restoration Processes & Patterns	Habitat Restoration	University of Washington	Sacramento-San Joaquin Delta	\$1,042,246	\$1,042,246	\$1,005	Contract executed 8/23/00
1999-014 Biological Ag Systems in Cotton-BASIC-Reducing Synthetic Pesticides & Fertilizers in the N. SJ Vy	Watershed Management	Sustainable Cotton Project	Landscape	\$466,000	\$460,000	\$1,116	Contract executed 7/21/00
1999-015 Duncan/Long Canyon Paired - Watershed Project	Watershed Management	Placer Co Water Agency	American River Basin	\$95,108	\$85,141	\$4,845	Contract executed 11/15/99. Background hydrologic data for two watersheds acquired and meetings held with landowner. Further progress waiting the resolution of NFMA American River watershed GIS work by the USFS scheduled for 7/00.
1999-016 Determination of the Causes of Dissolved Oxygen Depletion in the SJ River	Environmental Water Quality	DWR	San Joaquin River	\$952,400	\$892,400	\$1,866	Contract executed 5/16/00. Subcontracts being prepared by DWR.
1999-017 Dissolved Organic Carbon Release from Delta Wetlands, Part 1	Environmental Water Quality	USGS	Sacramento-San Joaquin Delta	\$1,434,449	\$1,434,449	\$0	Contract executed 8/21/00
1999-018 Evaluation of Potential Impacts of Chinese Millen crab on Benthic Corals in the Delta	Introduced & Unacceptable Species	DWR	Sacramento-San Joaquin Delta	\$152,233	\$147,799	\$13,965	Contract executed 12/2/99. Trial run conducted 4/10/00 and monitoring began in late April, and also in May and June 2000.
1999-019 Health Monitoring of Hatchery & Natural Fall-run Chinook in SJ River	Fish Management/Hatchery	USFWS	San Joaquin River	\$36,596	\$36,596	\$0	Contract executed 7/6/00
1999-020 Sacramento River Discovery Center	Education	Sacramento River Discovery Center	Landscape	\$39,552	\$39,552	\$0	Contract executed 4/24/00
1999-021 Estuary Action Challenge Environmental Education Project	Education	Earth Island Institute	Landscape	\$51,500	\$51,500	\$12,313	Contract executed 1/21/00
1999-022 Water Challenge 2010 Exhibit	Education	USCOE	Landscape	\$52,815	\$52,815	\$3,000	Contract executed 12/10/99
1999-023 The Learning Watershed Project	Education	American River Watershed Institute	American River Basin	\$56,007	\$56,007	\$0	Contract executed 12/10/99
1999-024 Traveling Film Festival Exhibit	Education	Independent Documentary Group	Landscape	\$51,500	\$51,500	\$17,418	Contract executed 12/10/99
1999-025 River Studies Center Exhibits & Programs	Education	SJ River Parkway & Conservation Trust	San Joaquin River	\$70,407	\$68,415	\$39,928	Contract executed 1/3/00
1999-026 1999/2000 Bay-Delta Education Program	Education	Water Education Foundation	Landscape	\$33,209	\$32,200	\$0	Contract executed 12/30/99
1999-027 Watershed Educational Training	Education	Colusa County RCD	Landscape	\$13,300	\$13,283	\$2,862	Contract executed 10/22/00
1999-028 San Joaquin River Pilot Project	Environmental Water Acquisition	Friant Water Users Authority	San Joaquin River	\$2,575,000	\$2,575,000	\$1,538,446	Contract executed

Project Title	Category	Applicant	Geo Area	Approved Funding	Obligated	Expended	Status
1999-B00	Water Acquisition	Environmental Water Acquisition	East San Joaquin	\$3,000,000	\$3,000,000	\$3,007,488	Project completed 8/3/99
2000-B01	City of Redding Water Utility/Fish Screen Rehabilitation	Fish Screen/Passage	Sacramento River	\$510,262	\$0	\$0	Contract being prepared
2000-B02	Marwell Irrigation District Turtle Pump Relocation Project	Fish Screen/Passage	Sacramento River	\$440,737	\$0	\$0	Contract being prepared
2000-B03	Culture of Delta Smelt Phase II & III	Fish Management/Hatchery	Landscape	\$576,229	\$1,308	\$1,908	Contract being prepared
2000-B04	Focused Action to Develop Ecologically-based Hydrologic Models and Water Management Strategies in the San Joaquin Basin	Habitat Restoration	San Joaquin River	\$304,603	\$0	\$0	Contract being prepared
2000-B05	Adaptive Real-Time Water Quality Management of Seasonal Wetlands in the Grassland Water District	Environmental Water Quality	Sacramento River	\$671,900	\$0	\$0	Contract being prepared
2000-B06	Biological Assessment of Green Surgeon, Phase II	Fish Management/Hatchery	Landscape	\$211,164	\$0	\$0	Contract being prepared
PROGRAM	FISH PASSAGE PROGRAM	Fish Screen/Passage	Landscape	\$2,048,000	\$0	\$0	
PROGRAM	ENVIRONMENTAL WATER ACQUISITION PROGRAM	Environmental Water Acquisition	Landscape	\$8,835,000	\$8,500,000	\$0	Contract executed 6/16/99
PROGRAM	BAY-DELTA EDUCATION PROGRAM Education		Landscape	\$34,007	\$0	\$0	
PROGRAM	SOUTH DELTA PLANNING PROGRAM	Habitat Restoration	Sacramento-San Joaquin Delta	\$1,000,000	\$0	\$0	Approved by Secretary
PROGRAM	SCIENCE & MONITORING PROGRAM	Science and Monitoring Program	Landscape	\$7,480,000	\$0	\$0	
Summary for 'Contracting Agency' = USBR (75 detail records)				\$122,361,121	\$105,208,217	\$34,942,217	
USCOE							
1999-A01	Prospect Island Habitat Protection Project	Habitat Restoration	Sacramento-San Joaquin Delta	\$2,000,000	\$2,000,116	\$1,688,838	Project complete
1999-A01	Inundation of a Section of the Yolo Bypass to Restore Sacramento Siltation & Other Native Species	Habitat Restoration	Sacramento-San Joaquin Delta	\$912,309	\$912,309	\$12,226	Contract executed 9/26/99
1999-A02	Prospect Island Monitoring Project	Habitat Restoration	Sacramento-San Joaquin Delta	\$915,000	\$912,309	\$2,949	Contract being prepared
PROGRAM	HABITAT RESTORATION/FLOOD CONTROL BYPASSSES PROGRAM	Habitat Restoration	Sacramento-San Joaquin Delta	\$379,321	\$0	\$12,000	Developing strategy. One Project under this program select through the current PSP. (28-A01)
Summary for 'Contracting Agency' = USCOE (4 detail records)				\$4,206,630	\$3,824,734	\$4,716,014	
USEPA							
1997-E01	Watershed Plan (Big Chico Creek)	Watershed Management	Big Chico Creek Watershed Alliance Butte Basin	\$422,830	\$422,830	\$381,805	Project nearing completion
1997-E02	Watershed Planning (Deer Creek)	Watershed Management	Deer Creek Watershed Conservancy, CSU Chico	\$196,554	\$196,554	\$135,181	Project nearing completion
1998-E01	Napa River Watershed	Watershed Management	Napa County Resource Conservation District	\$252,000	\$252,000	\$252,000	Project completed 5/00

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1998-E02 Sonoma Creek Watershed	Watershed Management	Southern Sonoma County Resource Conservation District	Suisun Marsh/North San Francisco Bay	\$202,000	\$302,000	\$166,419	Project continuing. Continuing studies
1998-E03 Regional Wetlands Gosh Project	Habitat Restoration	San Francisco Estuary Institute	Suisun Marsh/North San Francisco Bay	\$76,000	\$76,000	\$76,000	Completed. Final report completed
1998-E04 Petaluma River Watershed Restoration Program	Watershed Management	Southern Sonoma County Resource Conservation District	Suisun Marsh/North San Francisco Bay	\$220,000	\$220,000	\$58,554	Coordinator reaching out to landowners regarding erosion & animal wastes. Work continues on Capri Creek as well as Creek Care Guide.
1998-E05 Cottonwood Creek Watershed Group Formation	Watershed Management	Cottonwood Creek Watershed Group	Cottonwood Creek	\$181,000	\$181,000	\$48,025	Contract negotiations for mapping work nearing completion. Technical Advisory & Watershed group prioritizing rehab projects.
1998-E06 Battle Creek Watershed Stewardship	Watershed Management	Battle Creek Watershed Conservancy	North Sacramento Valley	\$145,000	\$145,000	\$17,287	First community meeting conducted. Fire defense improvement subcontracts nearly completed. Easement work continued.
1998-E07 Local Watershed Stewardship: Steelhead Trout Plan	Watershed Management	Friends of Corte Madera Creek Watershed	Outside CALFED Region	\$47,500	\$47,500	\$41,626	Draft Fishery Resource conditions report completed & submitted for review to Advisory Comm. NMFS, BDM, ACCOE, CFC.
1998-E08 Cold Water Fisheries and Water Quality Element	Watershed Management	City of San Jose	Outside CALFED Region	\$200,000	\$200,000	\$0	EPA executed a cooperative agreement with MWVF in February to manage these 14 watershed projects. A MWVF subagreement is expected. Contract sent to contractor 11/25/99.
1998-E09 Merced River Corridor Restoration Plan	Watershed Management	Stewart Sciences & Merced Co.	East San Joaquin	\$300,000	\$300,000	\$217,056	Project Team continued baseline evaluations, conducted meetings, expanded outreach. Also conducted second round of review on draft report of opportunities & constraints.
1998-E10 South Yuba River Coordinated Watershed Management Plan	Watershed Management	DPR	Feather River & Sutter Basin	\$264,000	\$264,000	\$0	Preliminary private property survey results being reviewed. Staff held four agency meetings & one recreation comm. Meeting.
1998-E11 Watershed Restoration Strategy for the Yuba Bypass	Watershed Management	Yuba Basin Foundation, Inc.	Sacramento-San Joaquin Delta	\$244,188	\$244,188	\$116,028	Project Team conducted three stakeholder meetings, researched funding for implementation, & researched basin hydrology.
1998-E12 Proposal to Develop Local Watershed Stewardship Plan for the Lower Mokelumne River	Watershed Management	San Joaquin County Resource Conservation District	Eastside Delta Tributaries	\$150,000	\$150,000	\$122,177	Draft & final issues & opportunities paper completed. 4th & 5th public outreach workshops completed. Work under this grant nearing completion.
1998-E13 Union School Sough Watershed Improvement Program	Watershed Management	National Audubon Society - California	Yuba Basin	\$636,000	\$636,000	\$213,643	Held restoration training workshops for landowners. Planted native veg. Around lake/water pond, began implementation plans for new lake/water ponds. Planted native veg. along irrigation canal.
1998-E14 American River Integrated Watershed Stewardship Strategy	Watershed Management	Placer County Resource Conservation District	American River Basin	\$226,750	\$226,750	\$15,507	Interagency Watershed Assessment group is reviewing Plan objectives, key resources, and GIS management approaches. Draft Watershed Assessment Workshop completed.

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1998-E15 Sulphur Creek Watershed Resource Management Planning Group	Watershed Management	Sacramento Watersheds Action Group	North Sacramento Valley	\$23,828	\$23,828	\$7,850	CRMP continues its monthly meetings. Group has applied for California 2000 grant for restoration of Sulphur Creek.
1998-E16 Lower Putah Creek Watershed Stewardship Program	Watershed Management	Solano County Department of Environmental Management	Yolo Basin	\$100,500	\$100,500	\$698	\$2000/Recipient Agreement signed. Work is underway.
1998-E17 Alumina Creek Watershed CRMP Program	Watershed Management	Contra Costa Resource Conservation District	Suisun Marsh/North San Francisco Bay	\$138,500	\$138,500	\$56,572	Watershed Plan objectives approved by planning group. Stream inventory data being processed.
2000-E01 Lail Chance Creek Watershed Restoration Project-Feris Meadow Reach-Feather River Coordinated Resource Management (FR-CRM)	Watershed Management	Feather River Coord. Resource Mgmt-Furness Corp.	Feather River & Sutter Basin	\$1,009,400	\$1,009,400	\$0	Contact executed 5/25/00.
2000-E02 Panoche/Silver Creek Watershed Management/Action Plan	Watershed Management	Westside Resource Conservation District	West San Joaquin	\$673,440	\$673,440	\$0	Contact executed 5/25/00.
2000-E03 Colowood Creek Watershed Monitoring and Assessment	Watershed Management	Colowood Creek Watershed Group	Colowood Creek	\$390,500	\$390,500	\$0	Contact executed 5/25/00.
2000-E04 Sonoma Creek Watershed Conservancy	Watershed Management	Southern Sonoma County Resource Conservation District	Suisun Marsh/North San Francisco Bay	\$438,923	\$438,923	\$0	Contact executed 5/25/00.
2000-E05 Marcel River Corridor Restoration Project Phase III	Watershed Management	Silvaneer Sciences	East San Joaquin	\$235,870	\$235,870	\$0	Being administered by EPAN/RWWF. Contact executed 5/25/00.
PROGRAM WATERSHED RESTORATION PLANNING AND IMPLEMENTATION PROGRAM	Watershed Management		Landscape	\$0	\$0	\$0	
Summary for "Connecting Agency" - USEPA (25 detail records)							Sum
				\$7,027,793	\$7,027,793	\$1,911,557	
1998-F01 Bulge Creek Watershed Restoration Implementation	Watershed Management	CSU, Chico/Bulge Creek Watershed Conservancy	Bulge Basin	\$302,867	\$302,867	\$255,982	Project 85% complete. Road surveys completed and final report submitted for editing. Completion date projected as the end of July '00. Contract executed 9/13/98.
1998-F03 Bulge Creek Acquisition and Riparian Restoration	Habitat Restoration	CSU, Chico	Bulge Basin	\$125,000	\$125,000	\$125,000	Property acquired 12/98. Also funded with 97-002. Contract executed 2/11/99. Land purchased to be used to develop a Riparian Restoration Research Preserve.
1998-F04 Lower Mill Creek Riparian Restoration	Habitat Restoration	Mill Creek Conservancy, The Nature Conservancy	Bulge Basin	\$30,000	\$30,000	\$21,000	Property acquired 12/98. Also funded with 97-002. Maps produced and monitoring report for project at Ilwaco site completed.
1998-F06 Tudumne River Sediment Levees and Channel Restoration	Habitat Restoration	Turlock Irrigation District	East San Joaquin	\$1,262,000	\$655,700	\$0	Also funded with 97-002. Design 90% complete. To date only AFOP and TID funds have been expended on pre-project construction tasks. Amendment for add'l \$207,000 approved 9/99.
1998-F07 Grayson River Ranch Perpetual Easement and Restoration	Habitat Restoration	East Stanislaus RCD and Friends of the Tuolumne	East San Joaquin	\$732,000	\$732,000	\$68,270	Perpetual Easement acquisition complete 6/17/99. Presented to Amendment sub-committee on 7/19/99.
1998-F08 Hill Slough West Habitat Demonstration Project - Phase I	Habitat Restoration	DFG	Suisun Marsh/North San Francisco Bay	\$200,000	\$200,000	\$0	Completed 10/99 to hire consultant to do topographic surveys & address hydrologic issues.

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1999-F00 Rhode Island Floodplain Management and Habitat Restoration - Phase 1	Habitat Restoration	DFG	Sacramento-San Joaquin Delta	\$25,000	\$25,000	\$2,000	Project complete. Waiting for final bill.
1998-F11 Phase 2 - Merced River Salmon Habitat Enhancement	Habitat Restoration	DFG	East San Joaquin	\$2,433,759	\$2,433,759	\$0	Project design, environmental docs in process. Need Amendment for additional funds.
1998-F12 Stone Lakes WWR Land Acquisitions	Habitat Restoration	USFWS	Sacramento-San Joaquin Delta	\$2,622,500	\$2,622,500	\$2,122,500	Property acquired. Restoration to begin. Amendment for additional \$500,000 approved 1/1/99. Amendment for \$222,500 executed 1/1/2000.
1998-F13 Phalaris Marsh Expansion Project - Main County	Habitat Restoration	Main Audubon Society	Suisun Marsh/North San Francisco Bay	\$352,135	\$352,135	\$0	Restoration agreement signed
1998-F14 South Hapa River Wetlands Acquisition and Restoration Program	Habitat Restoration	Napa County Land Trust	Suisun Marsh/North San Francisco Bay	\$468,000	\$468,000	\$0	Coordinating with Flood Control District regarding EIR for acquisition. Considering possible condemnation process. Amendment for \$25,000 1/1/99.
1998-F15 Lower Clear Creek Floodway Restoration Project - Phase 2	Habitat Restoration	Western Shasta Resource Conservation District	North Sacramento Valley	\$3,559,596	\$3,559,596	\$900,859	Environmental Doc complete. Restoration in progress.
1998-F16 Fern-Hendrichs Tidal Freshwater Aquatic and Shaded River Aquatic Conservation Project	Habitat Restoration	Thomas Luckey & S. Farms, LLC	Sacramento-San Joaquin Delta	\$425,000	\$425,000	\$425,000	Acquisition complete. 2/2/00
1998-F17 Benicia Waterford Marsh Restoration - Phase 1	Habitat Restoration	City of Benicia	Suisun Marsh/North San Francisco Bay	\$59,000	\$59,000	\$32,577	Site analysis, engineering report complete. Design and restoration plans developed.
1998-F18 Floodplain Acquisition, Management, and Monitoring on the Sacramento River	Habitat Restoration	The Nature Conservancy, WCB, and others.	Sacramento River	\$1,000,000	\$1,000,000	\$1,000,000	Acquisition negotiations underway
1998-F19 Cosumnes River Acquisition, Restoration Planning and Demonstration	Habitat Restoration	The Nature Conservancy	Eastside Delta Tributaries	\$750,000	\$750,000	\$562	Acquisition negotiations underway
1998-F20 Deer and Mill Creeks Acquisition and Enhancement	Habitat Restoration	The Nature Conservancy	Buile Basin	\$1,000,000	\$1,000,000	\$0	Acquisition negotiations continuing
1998-F21 Lower San Joaquin River Floodplain Protection and Restoration Project	Habitat Restoration	USFWS	San Joaquin River	\$1,100,000	\$1,100,000	\$525,456	Funds transferred to USFWS, San Luis WWR Complex. Implementation begun. Appraisals made and negotiations underway to acquire 303 acres.
1998-F22 Biological Restoration and Monitoring on the Suisun Marsh/North San Francisco Bay Ecological Zone	Habitat Restoration	CSU, Hayward	Suisun Marsh/North San Francisco Bay	\$772,667	\$772,667	\$490,000	Restoration & Monitoring ongoing. Actions taken to fully implement fish passage.
1998-F23 South Napa River Tidal Slough and Floodplain Restoration Project	Habitat Restoration	City of American Canyon	Suisun Marsh/North San Francisco Bay	\$1,490,000	\$1,490,000	\$85,000	Acquisition nearly complete. Amendment for \$25,000 approved 1/1/99.
1998-F24 Buile Creek Riparian Restoration Demonstration	Habitat Restoration	CSU, Chico	Buile Basin	\$76,348	\$76,348	\$5,356	Planning and designing for restoration underway.
1998-F31 Restore Special Run Pool 10 Reach	Habitat Restoration	Turlock Irrigation District	East San Joaquin	\$165,000	\$165,000	\$0	Contract being prepared. Construction to occur Summer 2000.
1999-F02 Restore MJ Ruddy Reach	Habitat Restoration	Turlock Irrigation District	East San Joaquin	\$3,332,050	\$3,332,050	\$0	Contract executed 4/1/99. Field monitoring and monitoring report for 1999 completed. \$500 to date break repair scheduled for Summer 2001.


Project Title	Category	Applicant	Geo Area	Approved Funding	Obligated	Expended	Status
1999-F01 Restore habitat on McCormack-Williamson levees	Habitat Restoration	The Nature Conservancy	Sacramento-San Joaquin Delta	\$660,778	\$660,778	\$176	Contract executed 9/20/99. Amendment for additional funds approved 1/11/00.
1999-F04 McCormack-Williamson Tract Acquisition	Habitat Restoration	The Nature Conservancy	Sacramento-San Joaquin Delta	\$5,358,000	\$5,358,000	\$5,308,164	Property acquired 9/29. Meeting regularly with North Delta Improvement Group to determine feasible solutions to flooding issues. Maintenance work beginning.
1999-F05 Non-native Invasive Species Advisory Council	Introduced & Undesirable Species	USFWS	Landscape	\$50,000	\$0	\$0	Contract being prepared. Agreement at final signature stage.
1999-F06 Reducing Risk of Importation & Distribution on Non-native Invasive Species Through Outreach & Education	Introduced & Undesirable Species	UC Davis	Landscape	\$105,408	\$0	\$0	Contract being prepared. Agreement at final signature stage.
1999-F07 Zebra Mussel Detection & Outreach Project	Introduced & Undesirable Species	DWR	Landscape	\$100,600	\$0	\$0	Contract being prepared. Cooperator reviewing agreement.
1999-F08 Purple Loosestrife Prevention, Detection & Control in the Sacramento-San Joaquin Delta & Associated Hydrologic Units	Introduced & Undesirable Species	DFA	Landscape	\$201,306	\$0	\$67,010	Brochure complete. 25 presentations complete. Training ongoing. GIS map complete. Project 33% complete.
1999-F09 Introduced Spartina Eradication Project	Introduced & Undesirable Species	California Conservation Conservancy	Landscape	\$275,000	\$275,000	\$0	Contract signed. Implementation begun. Amendment for \$15,000 executed 9/11/00.
1999-F10 Practical Guidebook to Prevent & Control for Non-native Invasive Plants in Shallow Water Habitats of the Bay-Delta Ecosystem	Introduced & Undesirable Species	San Francisco Estuary Institute	Landscape	\$76,750	\$0	\$0	Contract being prepared. Scope of services being prepared.
1999-F11 Effects of Introduced Clams on the Food Supply of Bay-Delta Fishes	Introduced & Undesirable Species	CSU, San Francisco	Landscape	\$100,480	\$0	\$0	Contract being prepared. Scope of services being prepared.
2000-F01 Tulelake River Bolson Flap Floodplain Acquisition	Habitat Restoration	Friends of the Tulelake, Inc	East San Joaquin	\$2,043,850	\$2,043,850	\$0	Contract executed 7/6/00
2000-F02 Canal Ranch Habitat Restoration Phase II	Habitat Restoration	DFG	Sacramento-San Joaquin Delta	\$135,940	\$135,940	\$0	Contract executed 7/6/00
2000-F03 Floodplain Acquisition and Subreach-Site-Specific Management Planning on the Sacramento River (Rial Bluff to Colusa)	Habitat Restoration	The Nature Conservancy	Sacramento River	\$534,570	\$534,570	\$0	Contract executed 7/6/00
2000-F04 A Mechanistic Approach to Riparian Restoration - San Joaquin Basin, Phase I & II	Habitat Restoration	Saltwater Sciences	San Joaquin River	\$230,376	\$230,376	\$0	Contract executed 7/6/00
2000-F06 Liberty Island Acquisition and Restoration Phase I	Habitat Restoration	USFWS	Sacramento-San Joaquin Delta	\$2,701,735	\$2,701,735	\$0	Contract executed 7/21/00
2000-F07 McCormack-Williamson Tract Phase II Restoration Planning	Habitat Restoration	DWR	Sacramento-San Joaquin Delta	\$365,650	\$365,650	\$0	Contract executed 7/6/00
2000-F08 McCormack-Williamson Tract Phase II Monitoring Project	Habitat Restoration	UC Davis	Sacramento-San Joaquin Delta	\$572,866	\$572,866	\$0	Contract executed 7/6/00
2000-F09 Treating Ballast Water Discharges at Existing Municipal Wastewater Treatment Plants	Introduced & Undesirable Species	San Francisco Estuary Institute	Landscape	\$122,014	\$122,014	\$0	Contract executed 7/6/00
2000-F10 Determining the Biological, Physical and Chemical Characteristics of Ballast Water Arriving in San Francisco Bay	Introduced & Undesirable Species	San Francisco Estuary Institute	Landscape	\$187,163	\$187,163	\$0	Contract executed 7/6/00
2000-F11 Avian Donor Eradication and Coordination	Introduced & Undesirable Species	Sonoma Ecology Center	Landscape	\$942,587	\$942,587	\$0	Contract executed 7/6/00

Project Title	Category	Applicant	Geo Area	Approved Funding	Obligated	Expended	Status
PROGRAM FLOODPLAIN RESTORATION/HABITAT RESTORATION ON EXISTING CONSERVATION LANDS PROGRAM	Habitat Restoration		Sacramento-San Joaquin Delta	\$17,495	\$0	\$0	
PROGRAM NON-NATIVE INVASIVE SPECIES PROGRAM	Introduced & Unintentional Species		Landscapes	\$365,966	\$365,966	\$96,503	Seven projects selected 99-FIS-11. Strategies & implementation plans have completed policy review. Develop & admin agreements. Providing assist through ACEIT. Develop issue paper on Chinese mitten crab, ballast water, port salinity, Alameda, & outreach.
Summary for 'Contracting Agency' = USFWS (44 detail records)				\$37,820,966	\$36,434,179	\$11,630,772	
Sum							
USGS 2000-501 Dissolved Organic Carbon Release - Delta Wetlands Part 2	Environmental Water Quality	USGS	Landscapes	\$1,030,000	\$1,030,000	\$0	Contract awarded 8/21/00
Summary for 'Contracting Agency' = USGS (11 detail records)				\$1,030,000	\$1,030,000	\$0	
Sum							
Summary for 'State/Fed/State' = (275 detail records)				\$255,934,187	\$225,896,981	\$87,941,761	
Grand Total							

Memorandum

Date: September 8, 2000

To: Bay-Delta Advisory Council

From: Steven R. Ritchie
Acting Executive Director 

Subject: Amendments to Ecosystem Restoration Projects

Summary

On July 19, 2000, the contract amendment subcommittee of the Ecosystem Roundtable and the CALFED agency liaisons met in a public meeting to discuss nine projects that had requested amendments. The approved amendments result in a total budget decrease of \$426,950. Project-specific approved amendments are presented in the attached information.

Detailed Discussion

As summarized in the following table, the contract amendment process provides for three levels of amendment depending on the nature and extent of the proposed change in contract budget, time, and scope. The complete process for these amendments is included in the attached supporting documentation.

Changes	Cumulative Budget	Cumulative Scope	Cumulative Time	Approval
Level 1	Less than \$25,000	Maintain the final outcome	9 months or less	Contracting agency
Level 2	\$25,000 to \$500,000 and up to 30%	Alter the final outcome	More than 9 months	Agency Liaisons
Level 3	More than \$500,000 or more than 30%			Policy Group

Action

These results are presented to the Bay-Delta Advisory Council for information.

CALFED Agencies

California

- The Resources Agency
- Department of Fish and Game
- Department of Water Resources
- California Environmental Protection Agency
- State Water Resources Control Board
- Department of Food and Agriculture

Federal

- Environmental Protection Agency
- Department of the Interior
- Fish and Wildlife Service
- Bureau of Reclamation
- U.S. Geological Survey
- Bureau of Land Management
- U.S. Army Corps of Engineers

- Department of Agriculture
- Natural Resources Conservation Service
- U.S. Forest Service
- Department of Commerce
- National Marine Fisheries Service
- Western Area Power Administration

Ecosystem Roundtable

Informational Staff Report

Date: August 1, 2000

Prepared by: Peter Jacobsen
CALFED Bay-Delta Program
Restoration Coordination Team

Topic: Contract Amendment Subcommittee of Roundtable Meeting

Background: On July 19, 2000, the contract amendment subcommittee of the Ecosystem Roundtable and the CALFED agency liaisons met in a public meeting to discuss proposed contract amendments. Those present included Walt Hoyer of MWDSC, Dan Keppen of NCWA, Becky Sheehan of CFBF, Tom Zuckerman of CDWA, Nan Yoder of USBOR, John Thomson of USFWS, and Carolyn Yale of USEPA. The details of the proposed project amendments are included in the attached memorandum to the Ecosystem Roundtable Project Amendment Subcommittee.

Status: Six Level 1 project amendments have been reviewed by the appropriate contracting agency staff, which after consultation with CALFED staff, were found reasonable and they were approved. They are presented in attached July 5, 2000 memorandum to the Ecosystem Roundtable Project Amendment Subcommittee.

Amendment Subcommittee and Agency Liaisons reviewed the following Level 2 project amendments and the Agency Liaisons made the following actions:

Project and Proponent	Change Requested			Reason for Amendment	Liaison Action
	Budget	Scope	Time		
Butte Creek Watershed (98-F01) CSU, Chico	None	None	15 months (to Dec 2000)	Unanticipated delays in contracting resulted in missing a sampling season.	<i>Recommended for approval.</i>

Project and Proponent	Change Requested			Reason for Amendment	Liaison Action
	Budget	Scope	Time		
Anadromous Fish Passage at Clough Dam on Mill Creek (98-B21) DWR	None	Eliminate screen design and construction (tasks 1 and 2) and apply funds to contingency fund.	12 months (to Dec 2001)	Screen constructed by DFG. Unanticipated delays in reaching agreement with landowners.	<i>The time extension is recommended for approval. The change in budget was not approved and DWR should return \$65,000 from the contract.</i>
Grayson River Ranch Perpetual Easement and Restoration (98-F07) East Stanislaus RCD and Friends of the Tuolumne	None	Redirect unspent conservation easement funds to adjacent floodplain property.	None	AFRP acquired easement on parcel named in proposal to accommodate landowner's wishes for expedience.	<i>Not approved. The recipient is to complete the restoration and return the \$386,950 in unused acquisition funds.</i>

The recommended actions reduce the approved project funding by \$426,950.

For additional information on this topic, please contact Peter Jacobsen at (916) 651-6482 or Rebecca Fawver at (916) 654-1334.

Memorandum

Date: July 5, 2000

To: Ecosystem Roundtable Project Amendment Subcommittee

From: Wendy Halverson Martin

Subject: Requests for Project Amendments

SUMMARY

Six projects have requested a Level 1 amendment and three projects have requested a Level 2 amendment.

The following Level 1 amendments do not require Ecosystem Roundtable action, and are included for information.

Project and Proponent	Level 1 Project Amendments Change Requested			Reason for Amendment
	Budget	Scope	Time	
Benicia Waterfront Marsh Restoration - Phase I (98-F17) City of Benicia	None	None	9 months (to March 2001)	Unanticipated delays.
Cottonwood Creek Watershed Group Formation (98-E05) Cottonwood Creek Watershed Group	None	None	8 months (to Dec 2000)	Unanticipated delays in hiring coordinator and establishing office.
Fern-Headreach Tidal Perennial Aquatic and Shaded River Aquatic Conservation Project (98-F16) Thomas Luckey (L & L Farms, LLC)	None	None	6 months (to June 2000)	Unanticipated delays in environmental documentation and reimbursement verification.
RD 2035 Fish Screen (98-N01) RD 2035	None	None	7 months (to Sept 2000)	Unanticipated delays in preparation of subcontracts.

CALFED Agencies

California
The Resources Agency
Department of Fish and Game
Department of Water Resources
California Environmental Protection Agency
State Water Resources Control Board
Department of Food and Agriculture

Federal
Environmental Protection Agency
Department of the Interior
Fish and Wildlife Service
Bureau of Reclamation
U.S. Geological Survey
Bureau of Land Management
U.S. Army Corps of Engineers

Department of Agriculture
Natural Resources Conservation Service
U.S. Forest Service
Department of Commerce
National Marine Fisheries Service
Western Area Power Administration

Level 1 Project Amendments

Project and Proponent	Change Requested			Reason for Amendment
	Budget	Scope	Time	
Butte Creek Riparian Restoration Demonstration (98-F24) CSU, Chico	None	None	9 months	Unanticipated delays in preparation of subcontracts.
Introduced Spartina Eradication Project (99-F09) California Conservation Conservancy	\$25,000 (3.7 percent)	Complete EIR/EIS for overall eradication effort.	9 months	Provide cost share for completion of EIR/EIS for overall eradication effort.

The following projects have requested a Level 2 project amendment. These amendments require Ecosystem Roundtable and Agency Liaison action.

Level 2 Project Amendments

Project and Proponent	Change Requested			Reason for Amendment
	Budget	Scope	Time	
Butte Creek Watershed (98-F01) CSU, Chico	None	None	15 months (to Dec 2000)	Unanticipated delays in contracting resulted in missing a sampling season.
Anadromous Fish Passage at Clough Dam on Mill Creek (98-B21) DWR	None	Eliminate screen design and construction (tasks 1 and 2) and apply funds to contingency fund.	12 months (to Dec 2001)	Screen constructed by DFG. Unanticipated delays in reaching agreement with landowners.
Grayson River Ranch Perpetual Easement and Restoration (98-F07) East Stanislaus RCD and Friends of the Tuolumne	None	Redirect unspent conservation easement funds to adjacent floodplain property.	None	AFRP acquired easement on parcel named in proposal to accommodate landowner's wishes for expedience.

ACTION

Ecosystem Roundtable Subcommittee members and Agency Liaisons are requested to consider the Level 2 amendments consistent with the contract amendment process (attached).

DISCUSSION

The contract amendment process provides for three levels of amendment depending on the nature and extent of the proposed change (budget, time, or scope). The process for these amendments is discussed on the attached page.

Project Amendments

The following projects have requested a project amendment requiring Ecosystem Roundtable subcommittee action, as follows:

1. Butte Creek Watershed (98-F01)

Issue: In February 1998, CALFED approved \$294,000 for the California State University, Chico to develop a Butte Creek watershed education project; complete the Butte Creek watershed road survey in the upper Butte Creek watershed; and conduct a geomorphology analysis of lower Butte Creek. Because the CALFED grant was not signed until September, two of the weather-dependent projects (upper watershed road survey and fluvial geomorphological survey) were delayed by a sampling season. The proponent requests a time extension of 15 months.

Staff Recommendation: The time extension is reasonable and should be granted.

2. Anadromous Fish Passage at Clough Dam on Mill Creek (98-B21)

Issue: In September 1998, CALFED approved \$1,280,000 for the Department of Water Resources to provide final design and construction of fish passage facilities for Clough Dam. The dam has been partially damaged by a winter washout, and DWR, DFG, and USBR are working together to remove the dam permanently. DWR has recently reached agreement with the landowners, who wish to proceed with the project. The delay in reaching consensus has delayed the project, and DWR requests a 12-month time extension. In addition, tasks 1 and 2 of the project (screen design and construction) have been completed by DFG, and DWR requests that the money budget for these purposes (\$65,000) be kept for construction contingencies.

Staff Recommendation: The time extension is reasonable and should be granted. The change in budget is unreasonable. If the project needs additional funds to meet additional construction at some future date, the project should then seek an amendment. The contract should be amended to eliminate tasks 1 and 2 and reduce the budget by \$65,000.

3. Grayson River Ranch Perpetual Easement and Restoration (98-F07)

Issue: In September 1998, CALFED approved \$732,000 for the East Stanislaus Resource Conservation District and Friends of the Tuolumne to acquire a conservation easement and restore approximately 140 acres of historic flood plain. The lower Tuolumne is cultivated down to the bank and has extensive dikes that prevent natural river hydrology and fluvial processes. Much of the floodplain has been converted to agricultural uses and their riparian woodlands removed. The cooling effect of shade, and cover and protection to salmon and steelhead trout has been greatly reduced. Roosting and nesting habitat for birds has disappeared.

The landowner of the property identified in the proposal sought to expedite the acquisition of the easement, and \$377,200 of USFWS AFRP funds were used for most of the easement expense, with only \$26,250 of CALFED easement acquisition funds needed, leaving \$386,950 unspent. The proponent requests that the unspent funds be redirected to acquire another conservation easement on property adjacent to the Grayson River Ranch.

Staff Recommendation: The change in scope is consistent with the goals of CALFED and the NRCS Wetland Reserve Program, and should be granted.

Contract Amendment Process

Level 1 Amendments

Level 1 amendments would be defined as (a) cumulative time extensions up to nine months, (b) changes in scope of services which will not alter the final outcome of the project, and (c) budget increases not to exceed a total of \$25,000 for each contract. Decisions on amendments at this level would be made by contracting agency staff after consulting with CALFED staff. Contracting agencies may delegate decision-making to the Executive Director of the CALFED Bay-Delta Program, as appropriate.

Level 2 Amendments

Level 2 amendments consist of requests for (a) cumulative time extensions over 9 months, or (b) cumulative budget increases up to 30% of the contract amount, but not greater than \$500,000 or (c) changes in scope of services which alter the final outcome of the project.

These amendment requests would be considered by an Ecosystem Roundtable subcommittee which would meet in a publicly noticed meeting and consider each amendment in detail. The Ecosystem Roundtable members would provide review and comment on the proposed amendments. A group of Management Team members would participate in reviewing the contract amendments at the same meeting with members of the Roundtable subcommittee. The Management Team subgroup would then make their recommendation with the input from the Ecosystem Roundtable members. The Management Team subgroup could decide whether an individual item merits full Management Team review and discussion, and/or Policy Group review. If an item is identified as not meriting additional discussion, then the Management Team subgroup's recommendation would be transmitted directly to the appropriate contracting agency. Interior, Resources Agency, and the Environmental Protection Agency would have the final approval over their respective funding sources.

Level 3 Amendments

Level 3 amendments consist of amendment requests of cumulative budget increases of 30% or more of the contract amount or over \$500,000. Level 3 amendments will be reviewed through the same process as Level 2 amendments, but will need to be presented to the Policy Team who will transmit their recommendation to the respective funding source.

Reporting

The Management Team, Policy Group, Ecosystem Roundtable and BDAC would have all amendments reported to them as information items.

DEPARTMENT OF WATER RESOURCES

NORTHERN DISTRICT
1 MAIN STREET
BLUFF, CA 96080-2398

98-B21



RECEIVED

JUN 23 2000

CALFED Bay-Delta Program

June 20, 2000

Mr. Carl Werder
U.S. Department of the Interior
Bureau of Reclamation
2800 Cottage Way, MP-190
Room E-2710
Sacramento, California 95825-1898

Dear Mr. Werder:

The Department of Water Resources requests to be added to the CALFED agenda to amend project number 98-B21, "Anadromous Fish Passage at Clough Dam on Mill Creek." This project is an existing CALFED contract to provide a water delivery system that will eliminate the need to rebuild Clough Dam on Mill Creek. The original contract consisted of the following five tasks:

- 1) Screen design
- 2) Screen construction
- 3) Siphon and dam removal design
- 4) Permits & environmental documentation for siphon and dam removal
- 5) Construction of siphon and dam removal

DWR is requesting to be added to the CALFED agenda to make the following changes to the existing contract:

Cost

No change [\$1,280,000 from the California Bay-Delta Act]. Although two tasks (Items #1 and #2) will be eliminated for a total of \$65,000, DWR requests to keep the original contract amount available for construction contingencies.

Time extension

December 31, 2001

Scope

DWR requests a change of scope due to some of the tasks being completed by The California Department of Fish and Game (CDFG). It is requested that the scope be

Mr. Carl Werder
June 20, 2000
Page 2

revised by eliminating already completed work, e.g., [1] Screen design, and [2] Screen construction.

This will modify tasks 1 and 2 of the original contract. Tasks 3, 4, and 5 of the contract will remain the same.

Background

This project will provide a water delivery system that will eliminate the Clough Dam on Mill Creek. DWR, DFG, & USBR are working together to affect a permanent removal of the dam which is currently partially intact after a winter washout. The water right holders would replace it if the cooperating agencies had not stepped in with an alternative to this environmentally sensitive situation. These agencies are working to restore the endangered species which spawn upstream of the old dam.

DWR will design and construct fish passage facilities at or near Clough Dam, on Mill Creek near Los Molinos, California. This work includes: site characterization, engineering designs, construction, and inspection to modify the Clough Dam diversion. The modification includes a siphon from the north side to the south side diversion ditch, and removal of the remaining portion of Clough Dam. This work is being coordinated under the CALFED process; the tasks identified in this contract are being funded by USBR.

No work has been done on this project and no money has been spent due to the lack of consensus between landowners. The landowners have recently come to an agreement, and want to proceed with the project. Here is a summary of the change in schedule:

<u>Task</u>	<u>Old Schedule</u>	<u>New Schedule</u>
Screen design	11/01/1999	Eliminate
Screen construction	05/01/2000	Eliminate
Siphon and dam removal design	05/01/2000	05/01/2001
Permits & environmental work	05/01/2000	05/01/2001
Construction	12/01/2000	12/31/2001

Consequences if the Time Extension is Not Approved


This project cannot be completed by December 1, 2000. If this time extension is not granted, the project will never have been started, and the money will be turned back to USBR. In all likelihood, one landowner will try to build a diversion ditch off a diversion

Mr. Carl Werder
June 20, 2000
Page 3

dam located further upstream, and add a fish screen. The other landowner will probably seek funding or resources to rebuild the original dam. Both of these scenarios add additional fish passage problems to Mill Creek.

Thank you for considering this request for a contract amendment. If you have any questions concerning this request, call me at (530) 529-7348.

Sincerely,

A handwritten signature in black ink, appearing to read "Curtis Anderson", written in a cursive style.

Curtis Anderson, Chief
Engineering Studies Section

cc: Peter Jacobsen
CALFED
1416 Ninth Street, Suite 1155
Sacramento, California 95814

East Stanislaus Resource Conservation District.

98-F07

4355 N. Gates Road
Modesto, Ca. 95358
(209) 545-0815
FAX 5452623

Board of Directors
John L. Hertle, Chairman
Lana Parker, Sherman Bousie
Tim Byrd, Roy A. Johnson

Associate Directors
Linda Larrick
Dave Boucher

June 30, 2000

Peter Jacobsen
CALFED Bay Delta Program
1416 9th Street Room 630
Sacramento, ca 95814

Dear Mr. Jacobsen:

This letter is to update you on contract and budget issues for the CALFED project known as the Grayson River Ranch Perpetual Conservation Easement and Restoration project. It is primarily intended to suggest and request redirection of some of the funding provided by CALFED for Grayson River Ranch to acquire an easement on a nearby parcel not identified in the original proposal.

The East Stanislaus Resource Conservation District (ESRCD) was awarded \$732,000 (\$413,200 for acquisition and \$318,800 for site restoration, respectively) of CALFED funds under a 1998 CALFED proposal solicitation. The U.S. Fish and Wildlife Service (Sacramento Field Office) currently administers the CALFED Bay-Delta Act funds awarded to the ESRCD through Cooperative Agreement Number 114209J019. The perpetual easement was acquired in June 1999 by the Natural Resource Conservation Service (NRCS). The majority of the acquisition funds came from the NRCS's Wetland Reserve Program and U.S. Fish and Wildlife Service's Anadromous Fish Restoration Program (AFRP). The AFRP contribution of \$377,200 was unanticipated when the CALFED award to the ESRCD was made. The AFRP contribution resulted from an urgent need by the landowner to finalize the property transaction. CALFED funding would not have been available for several more months. As a result of the AFRP contribution, only \$26,250 of the CALFED funds awarded to the ESRCD for acquisition were needed to complete acquisition. This leaves \$386,950 of the CALFED easement acquisition funds unspent under the current ESRCD agreement.

By way of this letter, The ESRCD requests that the \$386,950 of encumbered CALFED funds no longer needed for easement acquisition and restoration of the Grayson River Ranch project be redirected. It should be understood that the Grayson River Ranch project will likely require a small portion of these remaining funds for its completion. The amount required for that purpose should be determined in the near future.

*The East Stanislaus Resource Conservation District
is committed to conserving, improving, and sustaining
the natural resources, environment, and economy*

The redirected funds would be used to acquire another perpetual conservation easement on property adjacent to the Grayson River Ranch project that is owned by Tim Venn.

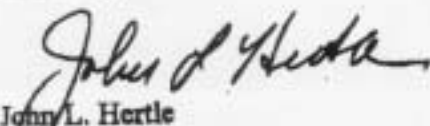
CALFED recently funded the purchase of a conservation easement on 43 acres of Venn property under the Emergency Watershed Protection/Flood Plain Easement Program #75-9104-9-02. CALFED Agreement #1425-99-AA-20-051, 67-9104-9-6.

Mr Venn has offered another approximate 150 acres of his property for acquisition as perpetual conservation easement. The new property connects with the 43 acres previously acquired and is nearly contiguous with the Grayson River Ranch project. These combined acquisitions will total approximately 340 acres..

The remaining Grayson River Ranch funds are not sufficient to acquire the entire offering. However, the landowner has agreed to sell individual parcels within the offering to match the funds available. The intent is to purchase what can be purchased now and seek new funding to acquire the remainder at a later date.

The proposed acquisition affords the same benefits provided by the existing 43 acres Venn parcel and that of the Grayson River ranch. It would remove agricultural practices from another section of flood plain, increase the size and function of the combined parcels, and is consistent with CALFED Bay Delta objectives.

Sincerely,



John L. Hertle
ESRCD Chairman

cc John Thompson

Date: Thu, 30 Mar 2000 08:34:26 -0800
From: John Icanberry <jicanber@delta.dfg.ca.gov>
X-Mailer: Mozilla 4.5 [en] (Win95; I)
X-Accept-Language: en
To: Peter Jacobsen <jacobsen@water.ca.gov>
Subject: Extension of CALFED PROJECT

Peter,

Originally, all the projects were delayed about nine months because of the time it took CALFED to provide the grants. Since two of the projects are weather dependent (upper watershed road survey and a fluvial geomorphological survey of Butte Creek), a whole sampling season was lost.

Please extend the interagency funding agreement between USBR and USFWS for the CALFED Butte Creek Watershed Projects in the amount of \$302,745 that was executed on 9/3/98 and ran through 9/30/99 to 12/31/00.

Thank you.


John Icanberry



Memorandum

Date: October 30, 2000

To: Bay-Delta Advisory Council

From: Steven R. Ritchie
Acting Executive Director 

Subject: Amendments to Ecosystem Restoration Projects

Summary

On October 2, 2000, the contract amendment subcommittee of the Ecosystem Roundtable and the CALFED agency liaisons met in a public meeting to discuss nine projects that had requested amendments. The approved amendments result in a total budget increase of \$206,452. Project-specific approved amendments are presented in the attached information.

Detailed Discussion

As summarized in the following table, the contract amendment process provides for three levels of amendment depending on the nature and extent of the proposed change in contract budget, time, and scope. The complete process for these amendments is included in the attached supporting documentation.

Changes	Cumulative Budget	Cumulative Scope	Cumulative Time	Approval
Level 1	Less than \$25,000	Maintain the final outcome	9 months or less	Contracting agency
Level 2	\$25,000 to \$500,000 and up to 30%	Alter the final outcome	More than 9 months	Agency Liaisons
Level 3	More than \$500,000 or more than 30%			Policy Group

Action

These results are presented to the Bay-Delta Advisory Council for information.

CALFED Agencies

California

- The Resources Agency
- Department of Fish and Game
- Department of Water Resources
- California Environmental Protection Agency
- State Water Resources Control Board
- Department of Food and Agriculture

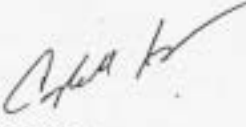
Federal

- Environmental Protection Agency
- Department of the Interior
- Fish and Wildlife Service
- Bureau of Reclamation
- U.S. Geological Survey
- Bureau of Land Management
- U.S. Army Corps of Engineers

- Department of Agriculture
- Natural Resources Conservation Service
- U.S. Forest Service
- Department of Commerce
- National Marine Fisheries Service
- Western Area Power Administration

Ecosystem Roundtable Informational Staff Report

Date: October 31, 2000

Prepared by: Campbell Ingram 
CALFED Bay-Delta Program
Restoration Coordination Team

Topic: Contract Amendment Subcommittee of Roundtable Meeting

Background: On October 2, 2000, the contract amendment subcommittee of the Ecosystem Roundtable and the CALFED agency liaisons met in a public meeting to discuss proposed contract amendments. The details of the proposed project amendments are included in the attached memorandum to the Ecosystem Roundtable Project Amendment Subcommittee.

Status: Four Level 1 project amendments have been reviewed by the appropriate contracting agency staff, which after consultation with CALFED staff, were found reasonable and they were approved. They are presented here for information.

The following Level 2 project amendments were reviewed by the Amendment Subcommittee and Agency Liaisons;

Project and Proponent	Change Requested			Reason for Amendment	Liaison Action
	Budget	Scope	Time		
Merced River Corridor Restoration Plan (1998-E09) Stillwater Sciences & Merced Co.	\$45,443	Increase stakeholder involvement	None	Greater than anticipated public involvement.	<i>Recommended for approval plus 3% administrative costs</i>
Merced River Corridor Restoration Project Phase III (2000-E05) Stillwater Sciences	None	Remove Task 4 – Develop Five Conceptual Designs	None	Error made in proposal preparation.	<i>Recommended for approval budget increase of \$31,317 plus 3% administrative cost, to remedy transcription error in applicant proposal</i>

Project and Proponent	Change Requested			Reason for Amendment	Liaison Action
	Budget	Scope	Time		
Liberty Island Acquisition (1997-B03) USFWS	\$76,582 (0.9% increase, cumulative increase of \$425,582 or 5%)	None	To Feb 2001	Greater than anticipated public involvement, leading to higher NEPA preparation costs.	<i>Amendment request withdrawn</i>
Phase 3 - Merced River Salmon Habitat Enhancement (1998-F11) DFG	\$699,101 (20 percent increase)	Purchase gravel mining rights and easements	None	Increases in material costs, additional habitat enhancement opportunities, and an expanded project scope.	<i>Withdrawn from consideration. 2001 PSP proposal C-200, is the same as this amendment.</i>
Woodbridge Fish Screen and Passage (1998-B11) Woodbridge Irrigation District	\$130,000 (8 percent)	Preliminary design of diversion point near new dam.	None	Result of preferred alternative selected.	<i>Recommended for approval budget increase of \$130,000 plus 3% administrative cost, with caveat that 2001 PSP proposal L208 be reduced by same amount.</i>

For additional information on this topic, please contact Campbell Ingram at (916) 654-2733 or Terry Mills at (916) 657-2666.



Memorandum

Date: September 21, 2000

To: Ecosystem Roundtable Project Amendment Subcommittee

From: Rebecca Fawver

Rebecca Fawver

Subject: Requests for Project Amendments

SUMMARY

Four projects have requested a Level 1 amendment and five projects have requested a Level 2 amendment.

The following Level 1 amendments do not require Ecosystem Roundtable action, and are included for information.

Project and Proponent	Level 1 Project Amendments Change Requested			Reason for Amendment
	Budget	Scope	Time	
Floodplain Easements; Lower Tuolumne and San Joaquin (1999-R01) Natural Resources Conservation Service	None	None	9 months (to March 2001)	Unanticipated delays in the escrow process, plus delays due to death of one participant landowner.
1999/2000 Bay-Delta Education Program (1999-B26) Water Education Foundation	None	None	2 months (to Nov 2000)	To allow time for more review comments on wetlands briefing brochure.
Knights Ferry Gravel Replenishment (1997-N21) Carl Mesick Consultants	\$24,996.51	Purchase flow meter and additional monitoring	None	To purchase state-of-the-art intra-gravel flow meter.
San Joaquin River Pilot Project (1999-B29) Friant Water Users Authority	None	None	9 months (to March 2001)	To verify that water delivery charges have been submitted and verified by entities.

CALFED Agencies

California
The Resources Agency
Department of Fish and Game
Department of Water Resources
California Environmental Protection Agency
State Water Resources Control Board
Department of Food and Agriculture

Federal
Environmental Protection Agency
Department of the Interior
Fish and Wildlife Service
Bureau of Reclamation
U.S. Geological Survey
Bureau of Land Management
U.S. Army Corps of Engineers

Department of Agriculture
Natural Resources Conservation Service
U.S. Forest Service
Department of Commerce
National Marine Fisheries Service
Western Area Power Administration

The following projects have requested a Level 2 project amendment. These amendments require Ecosystem Roundtable and Agency Liaison action.

Level 2 Project Amendments				
Project and Proponent	Change Requested			Reason for Amendment
	Budget	Scope	Time	
Merced River Corridor Restoration Plan (1998-E09) Stillwater Sciences & Merced Co.	\$45,443	Increase stakeholder involvement.	None	Greater than anticipated public involvement.
Merced River Corridor Restoration Project Phase III (2000-E05) Stillwater Sciences	None	Remove Task 4 – Develop Five Conceptual Designs	None	Error made in proposal preparation.
Liberty Island Acquisition (1997-B03) USFWS	\$76,582 (0.9% increase, cumulative increase of \$425,582 or 5%)	None	To Feb 2001	Greater than anticipated public involvement, leading to higher NEPA preparation costs.
Phase 3 – Merced River Salmon Habitat Enhancement (1998-F11) DFG	\$699,101 (20 percent increase)	Purchase gravel mining rights and easements	None	Increases in material costs, additional habitat enhancement opportunities, and an expanded project scope.
Woodbridge Fish Screen and Passage (1998-B11) Woodbridge Irrigation District	\$130,000 (8 percent)	Preliminary design of diversion point near new dam.	None	Result of preferred alternative selected.

ACTION

Ecosystem Roundtable Subcommittee members and Agency Liaisons are requested to consider the Level 2 amendments consistent with the contract amendment process (attached).

DISCUSSION

The contract amendment process provides for three levels of amendment depending on the nature and extent of the proposed change (budget, time, or scope). The process for these amendments is discussed on the attached page.

Project Amendments

The following projects have requested a project amendment requiring Ecosystem Roundtable subcommittee action, as follows:

1. Merced River Corridor Restoration Plan – Phase II (1998-E09)

Issue: In September 1998, Stillwater Sciences and Merced County was selected to develop a public-supported, technically sound, and implementable restoration plan for the Merced River corridor from Crocker-Huffman Dam (RM 52) downstream to the San Joaquin River (RM 0). This phase of the plan was to focus on reestablishing geomorphic and ecological functions, processes, and characteristics given contemporary regulated flow and sediment conditions in the Merced River. They have found it necessary to expand the scope to address stakeholder concerns. Expansion of scope occurred in the following six areas: stakeholder group coordination; provide liaison to Merced Irrigation District; increase level of effort in identifying social, institutional, and infrastructural opportunities and constraints; the need to map the floodplain; coordination with CA DWR and CA DFG restoration projects; and greater than anticipated number of copies of the Synthesis Report. Stillwater Sciences and Merced County propose a budget increase of \$45,443 to accommodate the increase in scope.

Staff Recommendation: The additional stakeholder involvement and meetings are consistent with CALFED's approach to ecosystem restoration. Staff recommends that the increased scope and budget be granted.

2. Merced River Corridor Restoration Project Phase III (2000-E05)

Issue: In February 2000, CALFED approved \$229,000 for Stillwater Sciences and Merced County to complete Phase III of the project. This phase of the project develops design criteria for channel and floodplain restoration; develops an overall Merced River Corridor Restoration Plan; and develops conceptual designs for five top priority projects identified in the Restoration Plan. After the project was selected for funding, it became apparent that the dollar amount envisioned for the project and detailed in the budget (\$260,531) was inconsistent with the dollar amount presented on the cover sheet (\$229,000). CALFED asked Stillwater Sciences and Merced County to identify where the scope could be reduced to accommodate the provided dollar amount. They identified deleting Task 4 (Develop Five Conceptual Designs).

Staff Recommendation: The change in scope is necessary to accommodate the dollar amount available and should be granted.

3. Liberty Island Acquisition (1997-B03)

Issue: In December 1997, CALFED approved \$8,577,000 for the acquisition of Liberty Island by the US Fish and Wildlife Service. The scope of work included property acquisition, and related activities, including appraisal, title search, survey, closing costs, and environmental documentation and compliance. This acquisition allows the Service to permanently protect and restore approximately 4,760 acres of important Delta habitat for the benefit of winter-run chinook salmon, Delta smelt, Sacramento splittail, and other native fishery resources. It will also protect riparian corridors, and wetlands that support water-associated birds, neotropical migrants, and other species. In January 1999, the Ecosystem Roundtable approved a budget increase of \$170,000 and a time extension to

October 31, 1999. The budget increase covered administrative costs. In July 1999, the Ecosystem Roundtable approved a budget increase of \$179,000; a contingency fund of \$600,000 for any needed levee repair; and a time extension to December 31, 1999. The budget increase was to cover the cost of additional work identified in the planning process, contaminants report, title costs, and costs for TPL associated with the acquisition. Currently, the Fish and Wildlife Service proposes a budget increase of \$76,582 to perform the following tasks: respond to comments; new alternative analysis, stakeholder and advisor group meetings; and produce a decision document. They have also requested a time extension to February 2001. They report that the establishment of the North Delta National Wildlife Refuge has become an intensive and protracted public process requiring over 100 meetings with a diverse set of stakeholders who hold various interest in the long-term management of the Yolo Bypass.

Staff Recommendation: The additional stakeholder involvement and meetings are consistent with CALFED's approach to ecosystem restoration. The budget increase and time extension are reasonable and should be granted.

4. Phase 3 – Merced River Salmon Habitat Enhancement (1998-F11)

Issue: In September 1998, CALFED approved \$2,433,759 for the California Department of Fish and Game to repair a portion of the Merced River damaged by gravel mining. The primary objectives of the project were to remove salmonid predator habitat and produce and improve spawning and rearing habitat for juvenile salmon. The project eliminates predator habitat by either filling or isolating existing gravel pits from the channel. It improves spawning and rearing habitat by reconfiguring the river bed for the post-dam flow regime.

The Department of Fish and Game proposes a budget increase of \$699,101 to meet increases in material costs, additional habitat enhancement opportunities, and an expanded project scope. The expanded scope includes purchase of the following: gravel mining rights; agricultural easement for grazing; riparian conservation easement; and long-term access rights for maintenance. They have obtained additional project funding of \$750,000 from Four Pumps and the Tracy Mitigation Program.

Staff Recommendation: The change in scope and budget increase is reasonable and should be granted.

5. Woodbridge Fish Screen and Passage (1998-B11)

Issue: In February 1998, CALFED approved \$1,575,000 for the Woodbridge Irrigation District to perform preliminary engineering and prepare environmental documentation. In November 1999, they requested and received a 22.5 month time extension for additional time to prepare environmental documentation.

At the time of the project award, the preferred alternative was unknown and through a selection process involving stakeholders the preferred alternative was selected. The District proposes \$130,000 to perform preliminary engineering of a new screened diversion point located near the new dam and fish passage ladder.

Staff Recommendation: The change in scope and budget increase is reasonable and should be granted.

Contract Amendment Process

Revised August 7, 2000

Level 1 Amendments

Level 1 amendments are defined as (a) cumulative time extensions up to nine months, (b) changes in scope of services that will not alter the final outcome of the project, and (c) budget increases not to exceed a total of \$25,000 for each contract. Decisions on amendments at this level are made by contracting agency staff after consulting with CALFED staff. Contracting agencies may delegate decision-making to the Executive Director of the CALFED Bay-Delta Program, as appropriate.

Level 2 Amendments

Level 2 amendments are defined as requests for (a) cumulative time extensions over 9 months, or (b) cumulative budget increases up to 30% of the contract amount, but not greater than \$500,000 or (c) changes in scope of services that alter the final outcome of the project.

At the discretion of the contract administrator in consultation with CALFED staff, amendments may be subjected to review by scientific and technical experts if the amendment could result in changes to the scientific or biological outcome of the project or new impacts to the environment or affected parties. Attachment A provides guidelines for the types of amendments that may require scientific review (to be drafted). It is expected that three or more scientists will evaluate each request. The result of this review will be at least a one page narrative evaluating the request.

Level 2 amendment requests will be considered by an Ecosystem Roundtable subcommittee that meets in a publicly noticed meeting and considers each amendment in detail. All Ecosystem Roundtable Subcommittee members will provide review and comment on the proposed amendments. Agency Liaison members of the amendment subcommittee will make their recommendation on proposed amendments based on input from the Ecosystem Roundtable members, and on the scientific and technical review, if provided. Agency Liaison members will decide whether an individual item merits full Federal-State Management Group review and discussion, and/or Policy Group review. If an item is identified as not meriting additional discussion, then the Agency Liaisons' recommendation will be transmitted directly to the appropriate contracting agency. The Department of the Interior, Resources Agency, Environmental Protection Agency, and California Urban Water Agencies will have the final approval over their respective funding sources.

Level 3 Amendments

Level 3 amendments are defined as amendment requests of cumulative budget increases of 30% or more of the contract amount or those over \$500,000. Level 3 amendments will be reviewed through the same process as Level 2 amendments, but will be presented to the Policy Group which will transmit its recommendation to the respective funding source.

Reporting

All amendments will be reported to the Federal-State Management Group, Policy Group, Ecosystem Roundtable and BDAC as information items.



**CALFED
BAY-DELTA
PROGRAM**

1416 Ninth Street, Suite 1155
Sacramento, California 95814

(916) 657-2666
FAX (916) 654-9780
<http://calfed.ca.gov>

September 18, 2000

Rebecca Sheehan
California Farm Bureau Federation
2300 River Plaza Drive
Sacramento, CA 95833-3293

Dear Ms. Sheehan:

I invite you to participate on the Ecosystem Roundtable. You will be representing the California Farm Bureau Federation.

The Ecosystem Roundtable, established as a subcommittee of the Bay-Delta Advisory Council (BDAC), has played a vital role in the selection and implementation of over \$280 million in ecosystem restoration projects. Your participation will help make this effort balanced and effective.

As BDAC continues to work with CALFED staff on development of the long-term comprehensive solution, the Ecosystem Roundtable will continue to focus on existing restoration efforts in order to improve the efficiency of program expenditures and consistency with the long-term ecosystem goals and objectives. The Roundtable provides vital public collaboration on the strategic and practical policy issues necessary for effective habitat restoration.

The next meeting of the Ecosystem Roundtable is tentatively scheduled for October 2, 2000, from 9:30 a.m. to 3:00 p.m. in Room 1131 of the Resources Building at 1416 Ninth Street, Sacramento. We hope you can join us. In advance of the meeting, you will receive a packet of materials from the California Attorney General's Office explaining the open meeting and conflict of interest requirements applicable to the Ecosystem Roundtable. If you have any questions, please contact Rebecca Fawver at (916) 654-1334.

Sincerely,

Mike Madigan, Chair
Bay-Delta Advisory Council

cc: Ecosystem Roundtable

CALFED Agencies

California
The Resources Agency
Department of Fish and Game
Department of Water Resources
The Reclamation Board
California Environmental Protection Agency
State Water Resources Control Board
Department of Food and Agriculture
Delta Protection Commission

Federal
Environmental Protection Agency
Department of the Interior
Fish and Wildlife Service
Bureau of Reclamation
U.S. Geological Survey
Bureau of Land Management
U.S. Army Corps of Engineers

Department of Agriculture
Natural Resources Conservation Service
U.S. Forest Service
Department of Commerce
National Marine Fisheries Service
Western Area Power Administration



CALIFORNIA FARM BUREAU FEDERATION

OFFICE OF THE GENERAL COUNSEL

2300 RIVER PLAZA DRIVE, SACRAMENTO, CA 95833-3293 • PHONE (916) 561-5650 • FAX (916) 561-5691

October 4, 2000

Mike Madigan, Chair
Bay-Delta Advisory Committee
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

Dear Mr. Madigan:

On behalf of the California Farm Bureau Federation ("Farm Bureau"), I accept your kind invitation to formally join the CALFED Ecosystem Roundtable, a subcommittee of the Bay-Delta Advisory Council ("BDAC"). As you know, the Farm Bureau has long been an active participant in BDAC and has closely followed the activities of the many CALFED committees and subcommittees, including the Ecosystem Roundtable, for years. I appreciate your invitation as an acknowledgment of this fact and look forward to a constructive, working relationship.

Sincerely,

Becky Sheehan

BECKY SHEEHAN

BDS:mo

G:\WP60\Becky\Madigan letter re Ecosystem Roundtable appointment.doc

NANCY N. McDONOUGH, GENERAL COUNSEL

ASSOCIATE COUNSEL:

CARL G. BORDEN • CAROLYN S. RICHARDSON • KAREN NORENE MILLS
RONALD LIEBERT • HENRY E. RODEGERDTS • BRENDA JAHNS SOUTHWICK



BOARD OF SUPERVISORS

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OCT 27 2000

CALFED Bay-Delta Program

October 20, 2000

Ecosystem Roundtable Members
CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

In re: 2000 PSP Recommendations for Funding

Dear Roundtable Members:

The Butte County Board of Supervisors would like to express our appreciation for the opportunity to comment on the ecosystem projects recommended for funding by the Selection Panel for the 2000 CALFED Proposal Solicitation Package. As the entity charged with the regulation of land use within our county, our Board of Supervisors has been a strong proponent for improving the CALFED notification process to include adequate time to receive input from local government. We feel that it is imperative for local government to comment on projects that have the potential to impact the health and safety of our residents and the local economy. Therefore, we wish to applaud CALFED for taking the steps necessary to improve the notification process to accommodate the needs of local government.

In addition, we were encouraged to see the expansion of the review panels to include a geographic review panel. The inclusion of local experts in the initial review process provides an opportunity for CALFED to gain a greater understanding of the local objections to a project before it is moved forward in the funding process.

The Butte County Board of Supervisors would like to offer the following comments on the projects recommended for funding through the 2000 CALFED Proposal Solicitation Package:

Lassen National Forest Watershed Stewardship Within the Anadromous Watersheds of Butte, Deer, and Mill Creeks-Program-Proposal Number 2001-H200

This proposal is designed to conduct ecosystem restoration work on National Forest lands within the Deer, Butte and Mill Creek watersheds and also for the expansion of watershed stewardship education and interpretation programs.

Our concern with this proposal is the loss of control over our streams to the federal government. We request that the Lassen National Forest remain engaged with the County, as well as the local conservancy groups to ensure that restoration efforts are coordinated countywide.

Sacramento River Conservation Area Program-Proposal Number 2001-H207

This proposal requests funding for a continuation of the program established by State Senate Bill 1086 which was passed in 1986. This legislation called for the development of a management plan for the Sacramento River and its tributaries that would protect, restore and enhance both fisheries and riparian habitat.

Butte County is a participant in this program providing two appointments to the locally-based non-profit organization which coordinates voluntary restoration efforts within the 213,000 acre area. We feel that this program offers a working solution to the problem of dealing with the different biological, physical and cultural aspects of a dynamic ecosystem by allowing local representatives appointed by the Board of Supervisors to guide restoration efforts.

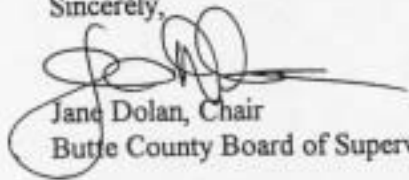
We are very supportive of this program and encourage CALFED to continue its funding.

Arundo Donax: Survey and Eradication-Proposal Number 2001-B202

Butte County supports this project with the caveat that there is cooperation and coordination with the Butte County Weed Management Area Joint MOU before its implementation. This MOU established weed management areas which were approved by the Board of Supervisors, local districts and other state and federal agencies. In addition, this group has recently developed new strategies for control and eradication of Arundo Donax, as well as other weeds which may provide valuable information for the applicants of this project.

Once again, thank you for this opportunity to comment on the ecosystem projects recommended for funding by the CALFED Selection Panel within our county. We hope that you will consider them in your future decision-making regarding the allocation of CALFED ecosystem monies.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jane Dolan', with a large, stylized flourish extending to the left.

Jane Dolan, Chair
Butte County Board of Supervisors

cc: David Brown, Bidwell Institute for Environmental Research, CSU, Chico
Burt Bundy, Sacramento River Conservation Area Program
Russ Volke, Lassen National Forest
CALFED Policy Group
CALFED Bay Delta Advisory Council

MEETING SUMMARIES

DRAFT
BAY-DELTA ADVISORY COUNCIL
MEETING SUMMARY
May 17, 2000
Sacramento Association of Realtors Auditorium

BDAC Members and Members of the Public in attendance: See attached sign in sheets.

Major Outcome

- **Recommendation on the CALFED Solution** - BDAC members suggested changes to the revised draft recommendation presented by Chair Mike Madigan and Vice Chair Sunne McPeak. The Chair and Vice Chair will consider the suggestions as they continue to prepare their recommendation. The recommendation will be transmitted to Deputy Secretary of the Interior David Hayes and Secretary for Resources Mary Nichols in the form of a letter from the Chair and Vice Chair the week of May 22, 2000.

1. Welcome and Chair's Report (Chair Mike Madigan)

Chair Mike Madigan opened the meeting at 9:50 a.m. and stated that the main purpose for the meeting was to refine the recommendation on the CALFED solution. He thanked BDAC members for their participation in the CALFED process and for attending all of meetings over the last five years. He thanked CALFED staff for their support. He also thanked Vice Chair Sunne McPeak and acknowledged her invaluable contributions for ensuring that BDAC addressed important issues. She is important to the process and meant a lot to him as a teammate.

2. Executive Director's Report (Acting Executive Director Steve Ritchie)

Acting Executive Director Steve Ritchie highlighted topics addressed in the written report in the meeting packet. He announced that currently \$125 million is earmarked in the May revision to the Governor's proposed 2000/2001 budget for CALFED implementation actions, including actions to be funded by recently enacted Proposition 13 (handed out at meeting). He noted that the proposed budget was a significant down payment on the CALFED Program. He also noted that senate and assembly legislative committees scheduled a hearing on incorporating sound science in the CALFED Program. BDAC member Alex Hildebrand commented on the implementation plan for San Joaquin River Restoration, a Proposition 13 funded action.

3. Recommendation on the CALFED Solution (Chair Mike Madigan and Vice Chair Sunne McPeak)

Discussion

Chair Madigan and Vice Chair McPeak solicited comments and suggestions from BDAC members on the May 9, 2000 draft recommendation on the CALFED Solution (included in the meeting packet). The following is a summary of the comments.

General Recommendation

Overall Comments.

- Chair Madigan, Vice Chair McPeak and BDAC members Robert Meacher, Torri Estrada and Martha Guzman discussed references to significant third party or redirected impacts and addressing local as well as statewide impacts. They agreed that assessments should address rural, social and economic impacts in addition to urban, environmental and agricultural impacts. Mr. Estrada also asked for more references to environmental justice.
- BDAC Members Richard Izmirian, Alex Hildebrand, Chair Madigan and Vice Chair McPeak discussed replacing references to "balancing" with "reconciling" or other words that do not imply tradeoffs between interests.

Ground Rules.

- b) BDAC member Stu Pyle suggested changes to clarify that new water deliveries and impacts will affect new geographic areas and create new problems.
- d) BDAC Members Alex Hildebrand and Robert Borgonovo suggested a stronger commitment to groundwater management and avoiding overdraft.
- f) Mr. Estrada, Vice Chair McPeak and BDAC Member Marsha Sablan discussed that analysis of CALFED Program economic impacts and effects on environmental justice is needed and should be done prior to the Programmatic EIS/EIR federal Record of Decision/state Certification (ROD/Certification). Mr. Estrada added that each program element should state environmental justice goals and objectives.

Specific Recommendations (numbers refer to recommendations in May 9, 2000 revised draft Recommendation on the CALFED Solution)

Funding and Accountability.

1. & BDAC member Tom Graff expressed disappointment over the generality of the
2. language. Vice Chair McPeak sympathized but added that the language is highlighting the importance of funding issues by urging that they be addressed by the time of the ROD/Certification. BDAC member Steve Zapotichny noted that being accountable is more

than reporting Program status. There must be performance indicators to measure progress towards meeting milestones. Mr. Estrada added that the Program should be accountable to the public.

Decision-Making.

3. Vice Chair McPeak, Chair Madigan and Mr. Meacher discussed the need for including local government and elected officials in the decision-making structure. BDAC members Hap Dunning and EZE Burts asked that recommendations from the Governance Work Group be referenced. Mr. Dunning asked specifically that the current governance proposal of recommending a new commission and ecosystem restoration conservancy be mentioned. Vice Chair McPeak acknowledged that there is broad support for the framework suggested by the Work Group and that joint leadership by the state and federal governments is crucial for a successful program.

Water Supply Reliability and Ecosystem Restoration.

4. Mike Spear (U.S. Fish and Wildlife Service), Mr. Dunning, Mr. Pyle, Mr. Izmirian, BDAC members Byron Buck, Brenda Jahns Southwick, and Roger Thomas discussed the linkage between balancing Delta inflows and outflows to improving ocean fisheries management. Most agreed that the reference should address management of all activities which affect fish recovery. BDAC member Pietro Parravano asked that "guaranteeing" replace "balancing" to get back to the original meaning of the sentence. Mr. Buck asked that improvements to water quality be linked to recovery and sustainability of fish populations.
5. Mr. Izmirian and Mr. Hildebrand discussed the merits of mentioning limits to fish recovery. Mr. Hildebrand stated that recovery can only be assured to the extent feasible. Mr. Izmirian argued that the qualifying language will limit the vision of creating robust fisheries. Mr. Pyle suggested that guaranteeing outflows for fish recovery be incorporated. Mr. Dunning asked that reference to the CALFED environmental water program be added. Mr. Parravano suggested the fishery recovery goals and mandates of the Central Valley Improvement Act and Endangered Species Acts be added. BDAC member Steve Hall stated there is no agreement over using CALFED Programs to meet specific legal recovery standards required in state and federal law. Mr. Zapotichny and Mr. Pyle suggested that taking of additional water be avoided rather than minimized.
7. Mr. Estrada asked that linkage to water management be added.
8. Mr. Hildebrand asked that the words "or other measures" be added to make clear that alternatives other than a screened diversion on the Sacramento River may improve in-Delta and export water quality. Mr. Graff suggested parameters on which to base storage and conveyance facilities.
- 9.

10. Mr. Hildebrand asked that the list of local experts be expanded. Mr. Izmirian suggested that the reference to "fish protection" may be interpreted to mean support for measures to prevent fishing. Vice Chair McPeak and Mr. Zapotichny suggested that the word "sufficient" be defined to explain the appropriate amount of time needed to operate optimized through Delta facilities. Mr. Meacher asked to clarify how impacts of actions that may cause changes in fish behavior, such as a new channel from the Sacramento to the Mokelumne River, will be addressed. Mr. Hildebrand, Mr. Buck and Vice Chair McPeak discussed the merits of including the reference to changing baseline conditions when assessing the effectiveness of the through-Delta strategy.
11. Mr. Hildebrand suggested comparative analyses of through-Delta actions and feasibility studies for isolated conveyance be done.
12. Mr. Zapotichny, Mr. Pyle and Vice Chair McPeak agreed to clarify that the requested water supply forecasting would be done by the Department of Water Resources (DWR), a CALFED agency. Mr. Hildebrand, Ms. Borgonovo, Mr. Pyle and Chair Madigan discussed the need to suggest issues to be addressed by DWR in its Bulletin 160, and to define parameters for calculating environmental, urban and agricultural water demand.
15. BDAC member Eric Hasseltine and Chair Madigan questioned whether the last bullet was necessary since local water users will likely determine how water they conserve will be used. Mr. Buck and BDAC member Francis Spivy-Weber agreed that it should be changed to acknowledge that water saved as a result of water use efficiency measures funded by CALFED and/or the public will likely be diverted to environmental or other public uses. BDAC member Bob Raab agreed that the bullet should remain and Ms. Southwick added that water rights issues will affect the allocation of water.

Public Comment

Michael Umbrello (Cahto Tribe) provided comments on the tribal outreach information handed out at the meeting. Alf Brandt (U.S. Bureau of Reclamation) assured Mr. Umbrello that tribal consultations are ongoing.

Zeke Grader (Pacific Coast Federal of Fishermen's Associations) commented on recommendations 4 and 5. He stated that fisheries resources are being balanced to death, and that recovery goals should be consistent with existing laws.

John Mills (Regional Council of Rural Counties) commented on recommendations 3, 5, 8, 9 and 12. He expressed concern that the costs of failed actions will fall on upstream interests, drought years will affect effectiveness of storage and conveyance actions, and that elected officials have an appropriate role in the decision-making structure.

Felicia Marcus (U.S. Environmental Protection Agency) praised BDAC for a good job, struggling through the discussion and helping to move the discourse and CALFED through the issues.

CALFED Staff Commitment

Steve Ritchie informed BDAC that the CALFED Policy Group will address environmental justice prior to the ROD/Certification by establishing policy direction at the next Policy Group meeting.

Next Steps

Chair Madigan and Vice Chair McPeak explained that BDAC member comments will be considered when completing the recommendation. Their hope is that the letter will reflect as much agreement as possible, however, the letter, since it will be from the Chair and Vice Chair will reflect "a sense of the center" on particular issues. Their letter will be transmitted to Deputy Secretary of the Interior David Hayes and Secretary for Resources Mary Nichols during the week of May 22, 2000. Prior to transmitting the letter, BDAC members will have an opportunity to express support for the recommendation. BDAC member comments on the recommendation will be part of a later and formal submittal to the Policy Group. Mary Scoonover (CALFED legal counsel) added that the letter and any attachments will be part of the CALFED official records.

Chair Madigan stated that no future BDAC meetings have been scheduled. He mentioned that he would convene BDAC again, if asked to by the Policy Group. Interested BDAC members would still attend Policy Group meetings, including Mr. Hildebrand, Mr. Raab and Mr. Estrada. In response to a question from Mr. Meacher regarding the Watershed Work Group, Chair Madigan asked the work group chairs to submit a letter to him explaining the purpose of the work group meetings over the next few months.

4. Ecosystem Restoration Project Status (Wendy Halverson-Martin)

Presentation

Wendy Halverson-Martin (CALFED Program Manager) reviewed information in the meeting packet and handed out at the meeting pertaining to the status of ongoing projects and responses to the 2001 ecosystem restoration proposal solicitation.

Discussion

Mr. Hildebrand asked questions regarding proposals pertinent to the San Joaquin River. BDAC was reminded that proposals were just received and that the purpose of the discussion was to provide highlights, not focus in on individual proposals.

Mr. Pyle and Ms. Halverson-Martin discussed that the former policy of assigning 80% of funds to implementation type projects did not apply to this solicitation since the Program is trying to address important scientific questions.

BDAC member Gene Andreuccetti and Ms. Halverson-Martin discussed that acquisition type projects could be categorized under the Shallow Water Tidal and Freshwater Marsh Habitat, Channel Dynamics, Sediment Transport and Riparian Vegetation, and Beyond the Riparian Corridor topics.

Chair Madigan adjourned the meeting at 2:25 PM.

Bay-Delta Advisory Council

Sacramento Association of Realtor's

9:30 - 3:00

May 17, 2000

Name	Address/Affiliation	Phone #	E-Mail
Steve Shaffer	CAFA	916 653 5858	shaffer@cafa.org
Kevin Sman	NCPA 980 Garry Way Roseville, CA 95678	916 781-4291	kevin5@ncpa.ca
Gene Andreuccetti	CWA	916-422-0831	maryu@pacbell
Valecie Holcomb	Deen+Black	916-415-1500	vh@comcast.net
Amy Fowler	SCVWD	in file	
Alf Brandt	DOI	916/414-6478	Alf_Draughthaus
Earl Nelson	WAPA	916-353-4529	enelson@wapa.gov
Brandon Southwick	CFBF	916-561-5660	
LH Smith	USGS	278-3195	lsmith@usgs.gov
Lean Auer	SFEP	650340-8166	aur@sfep.org
Mark Stadler	SDWA	916-619-682-4275	instadler@sfep.org
Dennis Meyers	FALBERT	916-657-4165	me@falbert.com
Valerie Nara	Calif. Chamber	916-444-6670	valerie.nara@calchamber.com

Bay-Delta Advisory Council

Sacramento Association of Realtor's

9:30 - 3:00

May 17, 2000

Name	Address/Affiliation	Phone #	E-Mail
Margie Crank	DPC; POB 536; Walnut Grove	916-776-2290	dpc@citlink.net
John Wither	Delta West lands	925-283-4216	
Brian Campbell		510-782-0680	
Murtha Guzman	1010 21st St, Suite 305	916-441-0612	
RAY BARSCH	1416 N. 1st, Calif. Water Comm.	916-653-5958	
Georg Woodward	UC Berkeley	510 843 2976	budgewo@murre. berkeley.edu
Zeke Grader	HFFA P.O. Box 29370, SF. 94129-0370	(415) 561-5080	Fish4life@aol.com
Bill Crooks	3505 Duett Ct - Sacto 95826	(916) 369-2909	bcrooks@sns.net
Owne Bauer	1020N Street Room 5H, Sacto 95814	(916) 322-3960	
John S. Mills	Offices John S. Mills Box 911 Yarnesburg Ca 95327	209-532-0472	SMB@TO Mills@csm
Mary Keller	1160 C.Vic (Century Blvd) Yuba City CA 95993	520 822-7450	MK@corpco.suttercounty.ca.gov
Cathy F. Wright 242 East J St. San Diego, CA 92101	Sweetwater Auth., San Diego County	HPH (619) 426-7268 Email: wrightcf@home.com Fax: (619) 492-4051	

Cary F. Wright
242 East J St.
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SUPERIOR AUTH, SAN DIEGO COUNTY

HPH (619) 426-7268
E-mail: wrightcf1@home.com
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Bay-Delta Advisory Council

Sacramento Association of Realtor's

9:30 - 3:00

May 17, 2000

Name	Address/Affiliation	Phone #	E-Mail
EVUNIAL BURTIS	LA AREA	215	
Steve Pyle	CHAMBER OF COMMERCE	580 7500	stepyle@lightspan.net
Steve Hildebrand	KCWA	661-873-9225	
CHRIS FEMERAN	SDWA		
Frances Spivy-Welch	CS DA	610-592-9595	frances@worldnet.net
Hop & Jinning		310-316-0041	frances@worldnet.net
Adriana Boyanova	The Bay Institute	530-752-2898	hcdj@worldnet.net
Bob Repab	LWV	415-93-4405	rborgo@igc.org
Pete Parravano	Save The Bay		
MARCIA SABLAN	BBTA	415 674-3666	
TOM GRAFF	PCFFN	607 726 1607	MARCIA SABLAN @hotmail.com
Mike Schauer	CITY OF F.K. DAUGH	539 659.3037	tg@edf.org
John Moya	Enrico Terence	510 658 9008	bigva@eyepac.net
Eric Hassard	Big Valley Band of Pomo Indians	707 263 3924 ex. 24	eric.hassard@pacific.net
	NCLWA	510-743-2050	
	CC Council	925 938 2820	

Bay-Delta Advisory Council

Sacramento Association of Realtor's

9:30 - 3:00

May 17, 2000

Name	Address/Affiliation	Phone #	E-Mail
George Wessman	4225 Whispering Oaks Circle Granite Bay CA 95746	791-3789	g.wessman@MEN.com
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Arlene Wong	Pacific Institute	916-251-1600	awong@pacinst.org
Torri Estrada	UNP	415. 561. 3336	tjc@isc.org
Robert Meacher	Plumas Co. Bd. of Supervisors RRC / 20309 Court Hill	530-283-6170	meacher@plum.co
Kaylee Newell	DOT - Solicitor's Office 2800 Cottage Way E 1112 Sacramento	916 978 5686	knawell@npa.org
Michael Umbrella	Cahoon Tabor	707 984 6197	mco@sonic.net
LYNDA SMITH	MWD 1121 L St., Suite 900 Sacramento, CA 95814	916-650-2632	lsmith@wud-dot.org
Laura King	SOMWA	510 482 3080	laurabking@aol.com
Steve Zagotkeny	SCWC	858-467-6581	Steve.Zagotkeny@scwc.com
BUSK HOUNAND	116 NEW MONTGOMERY ST. SR 300 THE TRUST for PUBLIC LAND	415-94105 415-495-5660	Busk.Hounand@pl.org

DELTA DRINKING WATER COUNCIL

July 5, 2000 Meeting Notes

1416 9th Street

Sacramento, CA 95814

Action items:

- Articulate Drinking Water Constituents Work Group Recommendations into a Strategy that provides a connection to the Phase II Report and the Framework for Action, accompanied by a schedule and budget.
- Develop a proposal process outline and criteria for drinking water project selection

The meeting started with introductions and an announcement of the July 28 CALFED PEIR/S release. The signing of the Record of Decision is planned about the first of September.

Status of FY 2000 Funded Projects:

Bruce MacIer gave an update of the FY 2000 funded drinking water projects. EPA is administering the grants for the following projects:

1. Salinity/Selenium Discharge Management - \$350K to DWR and UCD for experimentation on purifying salts (another \$350K will be administered by USBR for construction of a pilot treatment facility)
2. Veale/Byron Tract Discharge Management - \$100K to Contra Costa County to establish a Knightsen Flood Management District and to develop a wetland; \$450K to Contra Costa Water District for feasibility studies and assessment of sources
3. Sources and Loads Assessment - \$100K to DWR for database management, \$220 to DWR for real time organic carbon monitoring at Hood, Banks Pumping Plant and Vernalis, \$180K to USGS for assessment of baseline water quality in the Sacramento and San Joaquin Rivers, \$120 to USGS for flow monitoring. (\$45 K to CALFED consultant for baseline studies taken out of CALFED internal budget). \$70 K has been set aside as a placeholder.
4. Bay Area Blending Project - \$100K (taken out of CALFED internal budget) for prefeasibility study.

The grant application forms are currently being processed and the release of funds is expected this summer.

Drinking Water Constituents Work Group Recommendations:

Judy Heath presented the Drinking Water Constituents Work Group Recommendations for High Priority Drinking Water Studies and Projects. The Recommendations related to the following CALFED components: Operations, Regional Water Quality Exchanges/Blending, Source Reduction/Control, Project Selection Process, Science Program, Treatment, and Staffing Resources. It was mentioned that CALFED is in the process of hiring an Interim Science Leader for the Science Program and a Drinking Water Quality Program manager. In response to a question about the funding for drinking water projects, Steve Ritchie replied that if the ROD is signed, \$125 million will be released for CALFED from the State Budget. There is an undetermined amount of

that sum for the Drinking Water Quality Program which may range from \$10 to \$20 million. Steve also mentioned that there may be \$60 million from federal appropriations for CALFED (Attached is a July 17, 2000 copy of a letter sent to Congressional members from Governor Gray Davis requesting approval of the \$60 million).

The DDWC members discussed the project priorities, timing of projects, and the need to present the project priorities in the context of an overall strategy for the CALFED drinking water program. Steve indicated that the articulation of the strategy would draw largely from the Phase II Report (Drinking Water Improvement Strategy) and the Framework for Action. The Work Group was asked to articulate the Recommendations in light of the Strategy and the Framework.

A discussion occurred with regard to tracking and keeping abreast of the evolving technology such as the DRIP (MWD) and the state of UV application. It was agreed that sending out background papers to DDWC members was the best approach to obtain information on evolving technology. It was pointed out by Steve that CALFED would take advantage of the existing work and analyze how this plays into the CALFED drinking water actions and studies.

Steve mentioned that the project selection process for drinking water projects can be based on the ERP process. The framing of the solicitation can specifically identify the expertise needed and the location of the projects to ensure that we get the right kind of proposals. Solicitation for drinking water projects would try to avoid the disparity of types of projects which may be tangential to achieving the CALFED goals and objectives. The Work Group was asked to recommend a project selection process for drinking water projects.

Drinking Water Regulations Status Report:

Marguerite Young gave an update on the FACA negotiations for the Stage 2 Disinfectants/Disinfection By-products (D/DBP) Rule and the Long Term 2 Enhanced Surface Water Treatment Rule. The bottom line is that 80 ppb standard for TTHM and 60 ppb standard for HAA5 will be retained, compliance will be based on a location specific running annual average rather than the current systemwide average, the frequency of compliance monitoring is unchanged, no proposal on bromate yet – FACA does not want to loose ozone as an effective disinfectant yet at the same time does not want to encourage utilities to go to ozone, there will be increased source water monitoring for Cryptosporidium, the creation of a toolbox of actions which are accorded log credits, and 1 log inactivation required for dirtiest systems, 2 logs of inactivation required unless monitoring demonstrates source water concentrations of less than 1/1000L. (Please refer to the attached presentation overheads for additional information.)

Delta Cross Channel Operations and Screen Diversion:

Pete Chadwick, CALFED consultant, talked about the efforts underway to evaluate DCC operations and a screened through-Delta facility on the Sacramento River to improve water quality and to protect fisheries. The Drinking Water Constituents Work Group has been asked to integrate with the Delta Cross Channel Hood Mokolunne Team to design a

study plan to evaluate the water quality implications of changes in DCC operations and a screened through-Delta facility on the Sacramento River. The integration is now in place. Draft study plans will be sent to the Council members as they become available. The Framework milestone for a study plan is October 1, 2000.

Next Meeting:

The next DDWC meeting will be scheduled after the ROD. Inquiries will be made to determine availability of the Council members. CALFED takes this opportunity to wish everyone a nice summer.

Attachments:

July 17, 2000 Letter from Gray Davis
Overhead copies from Marguerite Young



GOVERNOR GRAY DAVIS

July 17, 2000

Hon. John Doolittle
Chairman
Water and Power Subcommittee
1522 Longworth HOB
Washington, D.C. 20515

Hon. Ron Packard
Chairman
Energy and Water Subcommittee
2372 Rayburn HOB
Washington, D.C. 20515

Hon. Pete Domenici
Chairman
Energy and Water Subcommittee
127 Senate Dirksen
Washington, D.C. 20510

Hon. Cal Dooley
Ranking Member
Water and Power Subcommittee
1522 Longworth HOB
Washington, D.C. 20515

Hon. Peter Visclosky
Ranking Member
Energy and Water Subcommittee
2313 Rayburn HOB
Washington, D.C. 20515

Hon. Harry Reid
Ranking Member
Energy and Water Subcommittee
156 Senate Dirksen
Washington, D.C. 20510

Dear Gentlemen:

I am writing to urge your support for federal authorization and funding for the CALFED Bay-Delta Program.

As you may know, the State of California intends to spend over \$400 million this year on CALFED-related projects and programs outlined in the historic "Framework for Action" that Secretary Babbitt and I announced on June 9, 2000. Continued congressional support is vital to maintain the federal share of and commitment to this important program.

I fully recognize the importance of extensive congressional review and oversight of the CALFED program. My administration is prepared to work closely with Congress in developing an omnibus, long-term authorization of the program following issuance of the Record of Decision later this summer. I also intend to

Page 2

submit a progress report to Congress and the California Legislature by the end of this year, as described in the Framework document. This report, and a comprehensive authorization measure, will be necessary to maintain broad-based public support, and to ensure that CALFED is taking a balanced and integrated approach to meeting the water supply reliability, water quality, and ecosystem restoration goals of the program.

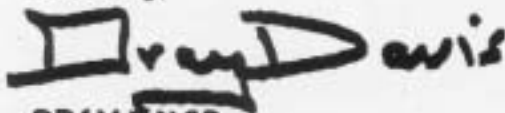
In the meantime, I strongly urge Congress to take two actions this year: 1) Include the President's FY 2001 budget request of \$60 million in the Energy and Water Appropriations bill, and 2) move forward on a one-year extension of the CALFED program. Continued federal funding is essential to meet the milestones established in the Framework to improve the management and reliability of the State's water supplies. Without these funds, the benefits and assurances that all Californians are seeking from the program may be jeopardized.

Finally, I want to emphasize the importance of a balanced approach to federal funding of the program. The federal appropriation should provide funding for a broad range of CALFED actions, including the Environmental Water Account, the ecosystem restoration and science programs, and specific storage, conveyance, and water use efficiency projects and programs throughout the state. Each of these program elements is essential to improving the reliability and quality of California's water supply. As such, it is imperative that both state and federal funding reflect a commitment to ensuring that all program areas move forward in an integrated and balanced fashion.

Based on discussions with several major stakeholder groups, I have developed a proposed allocation of the \$60 million request in the President's budget, together with related State funding commitments, that reflects a balanced approach to implementation (see attached). I urge you to adopt this approach as part of your overall efforts.

Thank you again for your continued support of the CALFED Bay-Delta Program, and I look forward to working closely with you in the months ahead.

Sincerely,


GRAY DAVIS

Attachment

cc: Members of the California Congressional Delegation

CALFED Bay-Delta Program Year 1 Projected Expenditures ¹ and Funding Sources (\$ in millions)									
Program Element	Year 1 Funding Needed ²	Available Funding Sources (\$) ²							
		State GF ³	Prop 204	Prop 12	Prop 13	Subtotal: State	Federal ⁴	User/ Local ⁵	Unmet Needs
Ecosystem Restoration ⁶	\$220	\$35	\$100	\$13	\$25.7	\$173.7	\$10.0		\$36.3
Environmental Water Account ⁷	\$50	\$35				\$35.0	\$15.0		
CALFED Science Program	\$25	\$10				\$10.0	\$5.0		\$5
Water Recycling and Conservation	\$31	\$15			\$6.5	\$21.5	\$10.0	\$2.5	
Water Transfers	\$3	\$3				\$3.0			
Watershed	\$40	\$20				\$20.0			\$20
Environmental Water Quality	\$15				\$17.5	\$17.5			
Drinking Water Quality	\$41	\$17			\$24.0	\$41.0			
Levees	\$33				\$30.0	\$30.0		\$3	
Storage/Water Management Strategy/Power Facilities Re-op	\$50	\$20			\$93.0	\$113.0	\$10.5		
North of Delta Off-Stream Storage Investigation (Sites Reservoir)		\$8.1							
Groundwater Storage		\$4.8			\$85.5				
Sandridge Off-Stream Reservoir Site ⁸					\$7.5				
Shasta Raise ⁹		\$1.7					\$5		
In-Delta Storage		\$3.0					\$2		
Friant Raise							\$2.5		
Los Vaqueros							\$1		
Water Management Strategy Update/Other ISI		\$2.4							
Conveyance	\$29				\$14.8	\$14.8	\$6.0	\$8.7	
San Luis Reservoir Low Point Project					\$14.8				
Red Bluff Diversion Dam							\$0.5		
Delta Mendota Canal Interlie							\$0.5		
North Delta Improvements (Cross-channel/thru Delta)							\$0.25		
Expand South Bay Aqueduct (Los Vaqueros)							\$0.25		
San Felipe Bypass/San Luis Reservoir							\$0.5		
Tracy Fish Screen							\$4.0		
Planning, Management, and Other Programs		\$8.2					\$3.5		
Total	\$537	\$163	\$100	\$13	\$211.5	\$479.5	\$60.0	\$28.4	\$56.3

² Preliminary; current year dollars based on staff estimates.

³ This represents a combination of known funding sources and unmet needs. The total is larger than the first year total in Appendix A of the Framework for Action because of the inclusion of additional Prop. 13 funding.

⁴ If the federal appropriation is less than \$60 million, the funding levels by program element will need to be adjusted.

⁵ Proposed federal funding.

⁶ User funding will increase in later years. For example, new broad-based fees are proposed from users to help fund ERP actions, beginning in the third year of Stage 1.

⁷ Includes \$30 million in State GF for Delta ERP actions, and \$5 million in State GF for Sacramento River Fish Screens. Assumes \$100 million would be spent from Prop. 204.

⁸ Includes \$33 million in State GF for the EWA (\$25 from the May Revise & \$10 for water acquisitions).

⁹ Not included in the CALFED storage evaluations, but project is complementary to CALFED.

¹⁰ The \$1.7 million State GF will be split between Shasta Raise, Friant Raise and Los Vaqueros.

Drinking Water Regulations Update

For Delta Drinking Water Council

Wednesday July 5, 2000

Presented by Marguerite Young

Stage 2 DBP Scenarios

Goals

- Reduce peaks that occur in the distribution system over the course of a year
- Improve understanding of DBPs in the distribution system

Stage 2 DBP Scenarios

TTHM/ HAA5 Proposal

- Retain 80 ppb for TTHM and 60 ppb for HAA5
- Base compliance on a location specific running annual average (LRAA) rather than the current systemwide average (RAA).
- Frequency of compliance monitoring unchanged.
- Identify compliance monitoring locations via an initial system evaluation (ISE) to determine appropriate compliance locations.

Stage 2 DBP Scenarios

80/60 LRAA: Initial System Evaluation— Large and

Medium Systems

- 1 year of bi-monthly monitoring at 60 day intervals
- 8 sites to be included in addition to 4 compliance locations
 - 1 at entry to distribution system
 - 2 at average points in the system
 - 5 at anticipated high points in the system

Stage 2 DBP Scenarios

80/60 LRRA Questions

- How well will LRRA mitigate the magnitude and frequency of peaks
- Identify functional equivalents for ISE compliance
- Compliance monitoring for GW systems?
- Timeframe for implementation of ISE

Stage 2 DBP Scenarios

Bromate— no proposal

- Risk-risk trade off between ozone's ability to reduce other DBPs and inactivate crypto vs. bromate formation.
 - FACCA is interested in retaining ozone as a viable disinfection technology.
 - Keep those who have bromide in source water from going to ozone

Long Term Stage 2 Enhanced Surface Water Treatment Rule

Goals

- Gain better understanding of crypto occurrence in source water
- Improve protection in “dirty” source waters
- Reduce risk of infections/year to 1:10,000

Long Term Stage 2 Enhanced Surface Water Treatment Rule

Proposal for Large and Medium Filtered Systems

- Increased Source Water monitoring for crypto
- Four Source Water Bins with graduated levels of action
- Toolbox of actions which are accorded log credits
- 1 log inactivation required for “dirtiest” systems.

Long Term Stage 2 Enhanced Surface Water Treatment Rule

Unfiltered Systems:

- At least 2 logs of inactivation required unless monitoring demonstrates Source Water Concentrations of $<1/1000\text{L}$; then need 1 log inactivation.
- Continue to meet filtration avoidance criteria.

Source Water Bins

Crypto occurrence level	Action
<.075/L	No action
.075-1.0/L	1 add'l log treatment or control (toolbox)
1.0-3.0/L	2 add'l log treatment incl 1 log inactivation
>3.0/L	2.5 add'l log treatment incl 1 log inactivation

Microbial Toolbox

(under development)

Toolbox Activities	Max Credit/Innovation
Watershed Control	0.5 credit
Pretreatment	0.5-2.0 credit
River Bank Filtration	2.0 credit
.15 NTU (95%)	0.5 credit
Partnership level 4	1.0 credit

Microbial Toolbox

(under development)

Microbial Inactivation	
Ultra Violet	2.5 inactivation
Membranes	2.5 inactivation
Ozone	0.5-2.0 inactivation
Chlorine Dioxide	0.5-1.0 inactivation

Long Term Stage 2 Enhanced Surface Water Treatment Rule

Questions to resolve

- Monitoring scheme
- Small system issues
- Issues associated with UV

CALFED Ecosystem Roundtable Meeting
Meeting Notes for July 19, 2000

Roundtable members (or their alternates) and liaisons present:

Gary Bobker (The Bay Institute)
Greg Gartrell (CCWD)
Walt Hoye (MWD)
Michael Jackson for John Mills (RCRC)
Dan Keppen (NCWA)
Cynthia Patton (NHI)
Jason Peltier (CVPWA)
Doug Wallace (EBMUD)
Tom Zuckerman (CDWA)

Susan Ramos (BOR)
Carolyn Yale (EPA)

Restoration Coordinators Update

The Ecosystem Roundtable co-chairs have agreed to recommend adding the Farm Bureau as part of the Ecosystem Roundtable. A letter requesting this addition will be sent to Mike Madigan, chair of the Bay-Delta Advisory Council.

The Yuba Tools process is moving forward. Letters of support by the interested parties are part of the July Roundtable packet. CALFED will develop a contract to support a facilitated series of meetings.

The CALFED EIR/EIS process is nearing completion. A Record of Decision is expected in late August, 2000.

Environmental Water Program

Dick Daniel provided an update on the Environmental Water Program being developed by CALFED and CVPIA. A concept document is being developed to describe the process. Activities include organizing a Steering Committee, developing a paper on lessons learned with large-scale water acquisitions, coordination among all CALFED and CVPIA water acquisition programs, and developing the best approach for implementation of the EWP. Any policy issues that are identified by the Steering Committee will be sent through the entire Roundtable. Roundtable members stressed the importance of this program being coordinated with other water programs such as the Environmental Water Account and other CALFED programs such as Water Transfers.

Restoration Reserve Policy

Wendy Halverson Martin distributed and described a draft Revised Policy for the CALFED Ecosystem Restoration Program Restoration Reserve Fund. As drafted currently, the

Restoration Reserve purpose is to primarily fund project amendments and secondarily to fund emergency or time-sensitive projects. To date, it has not been used for either purpose since other unallocated funds have been available.

The Roundtable heard a report from the Issues Subcommittee on its discussion of the Restoration Reserve. Most of the Subcommittee discussion centered on the main point of disagreement that is whether scientific and technical review should be conducted for amendments to projects that are currently under contract. Walt Hoyer felt strongly that it is the responsibility of the contract administrator to determine whether or not an amendment is feasible. He felt additional technical review would be adding another layer onto the process and that the responsibility for the contract administration should not be diffused. Other contract administrators noted that they would like to have the option for technical review if they request it. Others pointed out that it is important to re-evaluate a project, especially if there is a change in scope or change in footprint of the project. One person noted the importance of notifying local people of such changes.

The Roundtable agreed that scientific review would be considered at the discretion of the contract administrators with CALFED staff. They also agreed that a work group of the Amendments Subcommittee in conjunction with staff will develop guidelines for contract administrators to evaluate the types of amendments that may require technical review. The members of the work group include Walt Hoyer, Carolyn Yale, Tim Ramirez and Dan Castleberry.

Project Selection Process

Rebecca Fawver described the status of the project selection process for proposals received under the Ecosystem Restoration Program 2001 Proposal Solicitation. A description of the process was emailed and handed out to Roundtable members. The process has been developed with assistance from the Agency Stakeholder Ecosystem Team (ASET). The proposals are currently undergoing technical review. Funding recommendations are expected in October of this year. It was agreed that information on the project selection process would be emailed to the Roundtable as it was developed.

CVPIA Information

Gary Bedker and Lee Laurence provided information on the Central Valley Project Improvement Act. They handed out information on CVPIA Restoration Fund obligations and collections and CVPIA's six-year plan and budget.

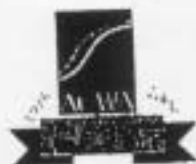
Public Comment

None.

CORRESPONDENCE

CALIFORNIA
Business/Labor/Water Leaders Coalition
 PROMOTING INVESTMENT IN CALIFORNIA'S WATER FUTURE

May 16, 2000



The Honorable Bruce Babbitt
 U.S. Department of Interior
 18th and C Streets, N.W.
 Washington, DC 20240

BAY AREA COUNCIL

Dear Secretary Babbitt:



We do not claim to be experts in the law or in the science that underpins your decisions. However we have seen the results of those decisions and we don't have to be experts to find those results deeply troubling. Over the past nine months, significant segments of the industries we represent have been threatened with or have experienced disruptions in the quality and adequacy of their water supplies. The Silicon Valley, for example, depends on consistently high quality water for its manufacturing processes. Regulatory decisions over the past year have threatened sudden changes in that area's water quality, causing concern in the high tech industry over the continued viability of its water supply.



After six consecutive wet years, and with reservoirs at capacity, it is simply unacceptable that our trillion-dollar state economy has been so jeopardized. We are concerned that there isn't a full appreciation at the federal level that such impacts will be far more severe in the next dry period.



**CALIFORNIA
 CHAMBER of
 COMMERCE**

California State Council of Laborers
 Legislative Department



We have followed with great interest the CALFED Bay-Delta process. As Californians, we are vitally concerned with its outcome since our jobs, our businesses, a growing population and our environment are all dependent upon the wise management of our water supplies. We are keenly aware that there is less water available for our economy than there was a decade ago, due primarily to regulatory reallocations. Despite this fact, we are convinced that with balanced decision-making and vision, California has enough water to produce both a healthy environment and a robust economy.



We had high hopes that CALFED would produce a balanced package. Unfortunately, the current preferred alternative falls short of producing the kind of plan that is necessary to assure the adequate supplies of reliable, healthy, affordable water supplies that California needs.



We understand that high level officials from your department and the Davis administration have been meeting to further develop a CALFED package. In our view, these discussions offer the last, best hope for CALFED. If these talks fail to produce an acceptable package, CALFED itself will likely not succeed.

Secretary Bruce Babbitt
May 16, 2000
Page 2 of 3

Representatives from our organizations recently met with California Governor Gray Davis to thank him for his leadership on California water issues and to tell him what we think the CALFED package must contain in order to succeed. We outline those same thoughts below for your consideration.

Stated simply, the CALFED plan must deliver on two promises:

First, there must be immediate investment in the water infrastructure necessary to accommodate California's growing population, and variable weather patterns. We are encouraged to hear that new surface and groundwater storage and enlargement of existing reservoirs are part of the current discussions. Improved conveyance across the Delta must also be part of the plan that is adopted, along with revised regulation of water transfers and continued commitment to water conservation and reclamation. With the leadership of Governor Davis and a broad-based coalition, we passed Proposition 13 in March, providing a healthy and much needed \$2 billion down payment on those investments. We look for a similar financial commitment at the federal level, along with commitments by federal regulatory agencies to provide the necessary project approvals.

Second, there must be more flexibility in the regulation of water diversions, particularly at the federal level. We understand there is disagreement in your discussions with the State over the flexibility that can be exercised in interpreting and implementing federal laws. For this process to succeed, it is critical that implementation of environmental laws be based on sound, verifiable science.

Mr. Secretary, there has never been a better opportunity to produce a proposal that will assure both a healthy environment and a healthy economy. You have jurisdiction over two of the country's most powerful environmental laws in the Endangered Species Act and the Central Valley Project Improvement Act. The challenge is to implement them without drying up California's economy.

We stand ready to assist and support you and Governor Davis as you put together the CALFED package. In return, we ask for the opportunity to provide meaningful input to you and your staff, and that you assemble a plan that addresses our concerns.

Sincerely,

See Signatories

Business/Labor/Water Leaders

• Association of California Water Agencies • Bay Area Council • California Building Industry Association
• California Business Properties Association • California Chamber of Commerce • California State
Council of Laborers • Orange County Business Council • Silicon Valley Manufacturing Group

Secretary Bruce Babbitt
May 16, 2000
Page 3 of 3

Stephen K. Hall
Executive Director
Association of California Water Agencies

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Co-Chair
Bay Area Council Water Policy Committee
President & CEO
Federal Reserve Bank of San Francisco

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President and CEO
Orange County Business Council

Carl Guardino
President & CEO
Silicon Valley Manufacturing Group

cc: California Governor Gray Davis
President Clinton
Vice President Albert Gore, Jr.
California Congressional Delegation
California State Legislature



**CALFED
BAY-DELTA
PROGRAM**

1416 Ninth Street, Suite 1155
Sacramento, California 95814

(916) 657-2666
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May 24, 2000

Mr. David Hayes
Deputy Secretary of the Interior
U.S. Department of the Interior
1849 C Street N W Ms 6217
Washington, DC 20240

Ms. Mary Nichols
Secretary for Resources
1416 9th Street, Room 1311
Sacramento, CA 95814

Dear Mr. Hayes and Secretary Nichols:

The purpose of this letter is to transmit our recommendation on the CALFED solution, specifically in the form of suggested modifications to the Preferred Program Alternative. This recommendation is a result of many hours of deliberation by the Bay-Delta Advisory Council. We attempt, in this letter, to reflect as much agreement as possible, however, there are statements in this letter to which certain members take exception.

The Bay-Delta Advisory Council has met continuously since June 29, 1995. The purpose of the Council is to provide recommendations to you on developing a long-term solution to address underlying causes of problems affecting the San Francisco Bay/Sacramento-San Joaquin Delta Estuary and its watershed public values. During the 38 meetings that the Council has met, members have provided advice to the CALFED agencies on the geographic scope of the CALFED Bay-Delta Program, future governance, program objectives, solution alternatives, criteria for measuring the effectiveness of the alternatives, and the best solution alternative for implementation (as part of the NEPA/CEQA environmental documentation process). By providing you with this recommendation on the CALFED solution, we are fulfilling our responsibility, as stated in the Council's Charter.

We are providing this recommendation in the spirit of cooperation with you and the CALFED agencies. We know that you have a challenging task ahead of you as you finalize the CALFED Bay-Delta Program Programmatic EIS/EIR and craft the Record of Decision/Certification so that the Program can continue into the implementation phase. It is our intent to provide advice that will help move the CALFED agencies toward these milestones and the goals of the CALFED Bay-Delta Program.

CALFED Agencies

California

The Resources Agency
Department of Fish and Game
Department of Water Resources
California Environmental Protection Agency
State Water Resources Control Board
Department of Food and Agriculture

Federal

Environmental Protection Agency
Department of the Interior
Fish and Wildlife Service
Bureau of Reclamation
U.S. Geological Survey
Bureau of Land Management
U.S. Army Corps of Engineers

Department of Agriculture
Natural Resources Conservation Service
U.S. Forest Service
Department of Commerce
National Marine Fisheries Service
Western Area Power Administration



Recommendation

Summary

The Bay-Delta Advisory Council acknowledges that the CALFED Preferred Program Alternative (PPA) is programmatic and thus imbedded in it are many options for implementing the CALFED Bay-Delta Program over the next 20 to 30 years. The Bay-Delta Advisory Council thinks that the PPA as it is written is not sufficient to be a workable solution but contains the framework for an acceptable solution if modified to include more action in Stage 1 and greater specificity of actions that will ensure continuous improvement in ecosystem restoration, water supply reliability, levee system integrity and water quality. The solution must embrace implementation of many programs in each one of the elements, and a commitment to environmental justice.

General Recommendation

The Bay-Delta Advisory Council recognizes that in some important respects the federal Record of Decision (ROD)/state Certification of the CALFED Programmatic Environmental Impact Statement/Environmental Impact Report (EIS/EIR) can only be regarded as the selection of a preferred approach to management of the Delta and its watershed. Potential conflicts among objectives have yet to be fully analyzed and reconciled within the availability of limited resources. Uncertainties in science and technology will require flexibility, and substantial commitments should not be based on highly speculative judgements. The PPA commits to a "through-Delta" conveyance of water for export, and to the pursuit of measures to improve water quality, protection of fish, and to closing the gap between water supply and demand. The purpose of this recommendation is to suggest that CALFED commit to making the analyses that are needed (a) to develop and better refine the CALFED Solution early in the implementation process, (b) to assure that there is a carefully considered balance and integration among goals that compete for limited water and land resources, and (c) to establish the ground rules and boundaries that will govern implementation of the CALFED Solution.

Recommended ground rules include, but may not be limited to:

- a) CALFED commits to compliance with the CALFED Solution Principles.
 - Reduce Conflicts in the System - Solutions will reduce major conflicts among beneficial uses of water.
 - Be Equitable - Solutions will focus on solving problems in all problem areas. Improvements for some problems will not be made without corresponding improvements for other problems.

- Be Affordable - Solutions will be implementable and maintainable within the foreseeable resources of the Program and stakeholders.
 - Be Durable - Solutions will have political and economic staying power and will sustain the resources they were designed to protect and enhance.
 - Be Implementable - Solutions will have broad public acceptance and legal feasibility, and will be timely and relatively simple to implement compared with other alternatives.
 - Have No Significant Redirected Impacts - Solutions will not solve problems in the Bay-Delta system by redirecting significant negative impacts, when viewed in their entirety, within the Bay-Delta or to other regions of California.
- b) Acknowledgment that as California's population continues to increase, it is expected that water deliveries and associated impacts will reach into new geographic areas and will result in new problems. Potential new problems will occur in terrestrial and aquatic habitat, both export and area of origin (including the Delta), with providing water supply and quality; and with providing land and other resource needs for each of urban, rural, social, environmental, and agricultural purposes.
- c) CALFED commits that every broad or site-specific measure for achieving CALFED goals will be analyzed technically and impartially before adoption and implementation in order to assure compliance with CALFED's principles, compatibility with other goals, avoidance of significant third party and unmitigable cumulative impacts within a given geographic area and among economic sectors, addressing related environmental justice concerns, and an integrated use of limited natural and financial resources. CALFED will create clear criteria for determining significant third party, environmental justice, and unmitigable cumulative impacts. This will be done and revisions of the plan made by a process described in the ROD/Certification.
- d) CALFED will strive to eliminate dependence on unsustainable groundwater overdraft in any region of the Central Valley and will also strive to eliminate the destructive accumulation of imported salt in soils and groundwater of the Central Valley basins south of the Delta.
- e) CALFED will identify which decisions will be made in Stage I and future stages of implementation.

- f) CALFED will continue to seek and achieve environmental justice. The CALFED Bay-Delta Program and its participating agencies are committed to seeking fair treatment of people of all races, cultures, and incomes, such that no segment of the population bears a disproportionately high or adverse health, environmental or economic impact resulting from CALFED's Programs, policies or actions.

In continuing to seek environmental justice, CALFED will develop programs, policies and actions to:

- identify and evaluate the environmental, health, social, and economic effects of CALFED activities,
- propose and commit to measures to avoid and mitigate disproportionate effects,
- seek participation from potentially impacted communities in finding alternatives or solutions to mitigate impacts,
- improve research and data collection related to the health and environment of minority and low-income populations impacted by CALFED Bay-Delta Programs,
- support outreach and education activities to improve the public's ability to participate in CALFED decision-making and Program implementation, including transparent and facile public access to data taken from all programs.

Specific Recommendations

The Council recommends to the CALFED agencies aggressive progress, from now and into implementation of the CALFED Bay-Delta Program, on the following issues. This progress will lead to important future decisions on the best management of the Bay-Delta watershed, consistent with the CALFED mission, Solution Principles, and the PPA. Essential action includes the following steps:

Funding and Accountability

1. Identifying performance goals and indicators and assured funding for all Program elements, including environmental justice actions within each program area. To be accountable, CALFED shall provide annual reports on budget expenditures and progress made on meeting Program goals to the California Legislature and Congress, as well as the public. The California Legislative Analyst's Office and federal General Accounting Office should audit the CALFED Bay-Delta Program on an annual basis and publish the results in a form that is easily available to the public.
2. Developing long-term funding formula for all Program elements. Formula should include appropriate contributions from all beneficiaries in proportion to benefits received. Beneficiaries would be those interests who receive benefits from Program

projects and actions.

Decision-Making

3. Instituting a transparent decision-making process that is supported by the BDAC Governance Work Group and incorporates participation with tribes, local and environmental justice interests. The decision-making structure and process must include high-level representatives from each of the CALFED agencies, institutionalize stakeholder, local government and tribal participation and directly involve participation by the California Legislature and Congress.

BDAC acknowledges that the decision-making process will be staged and will use adaptive management as a tool to ensure informed decision-making. Adaptive management means learning and involving policy makers, scientists and the public as the process goes forward. It is defined as a process for acting deliberately under uncertainty by increasing opportunities to develop new information and redirecting management actions in a timely manner. Staged decision-making involves identifying certain actions to implement at the outset for which there is sufficient information and general agreement and developing conditions for future decisions and for moving beyond the first stage.

Water Supply Reliability and Ecosystem Restoration

4. Balancing Delta inflows and outflows to help recover and sustain native fish and wildlife populations (with specific emphasis on endangered species). Progress made toward achieving this goal should be linked to corresponding improvements in water quality, water supply reliability and availability for all beneficial uses. This will likely involve increasing strategic Delta outflows as additional storage capacity is developed.
5. Implementing the CALFED Ecosystem Restoration Plan, Environmental Water Program and Environmental Water Account to assist and strive to ensure restoration of Delta fisheries and compliance with existing laws. Establish and capitalize the Environmental Water Account with a "water budget" and avoid the taking of additional water supplies through further regulatory actions.

CALFED agencies should address, to the extent feasible, activities that will affect achievement of restoration goals, but are outside the scope of the CALFED Bay-Delta Program. Restoration will be challenging and will need to take into account continuing efforts to control established non-native species and prevent introduction of new non-native species, improve and maintain water and sediment quality, and manage ocean fisheries and water use for all beneficial uses.

6. Developing water use efficiency measurable, cost effective objectives for all water use sectors (including industrial) and optimizing water use efficiency for environmental, urban, rural, social and agricultural uses under all circumstances. "Optimizing" means to achieve the most efficient or best use of water use efficiency tools. Water saved through efficiency measures paid for by the local water agency should be retained by the local agency.
7. Identifying, consistent with CALFED Program goals, complementary benefits and appropriate links between components of water management (including storage, water use efficiency, Delta conveyance, water operations and water transfers) and other elements including environmental restoration, levee system integrity, watershed management and water quality. This will require balancing competing water quality and quantity needs with and outside the Delta.
8. Reaching decisions in Stage 1 to construct groundwater and surface storage, using the adaptive management approach described above. Identify in the ROD/Certification specific storage facilities to be planned and designed and timetables for completing water management studies, with the goal of reaching decisions on permitting storage and initiating construction in Stage 1. Environmental impact analyses shall appropriately address economic, environmental justice and environmental impacts and related mitigation measures. Decisions on the construction of ground and surface water storage facilities should be based on findings (supported by sound analyses and methodologies) that demonstrate that such facilities are among the most economically-efficient, environmentally-sound, equitable and just means to achieve one or more approved CALFED objectives.
9. Developing a ground water management program that is implemented in cooperation with existing water agencies and landowners, and includes participation from the State of California. The purpose of the Program would be to measure use within groundwater basins and watersheds and to decrease groundwater overdraft and restore groundwater basins.
10. Reaching a decision on constructing the functional equivalent of the Delta Cross Channel in Stage 1 to improve in-Delta and export water quality. Stage 1 should include actions to develop and prove the technical capability of fish screens that are adaptable to the species, sites, and quantities of water being diverted. Environmental impact analyses shall appropriately address economic, social, environmental justice and environmental impacts, and related mitigation measures. Decisions on which structures to construct should be based on findings that demonstrate that such structures are among the most economically-efficient, environmentally-sound, equitable and just means to achieve one or more approved CALFED objectives.

11. Defining the plan for optimizing through-Delta conveyance in an effort to meet in-Delta and export water quality, ecosystem restoration, water conveyance goals and environmental justice. Reach agreement on the timetable for optimizing through-Delta conveyance and determining through peer-reviewed study whether its operation meets fishery, water quality and water supply reliability goals. In order to determine the effectiveness of optimized through-Delta conveyance, all major features will have to be completed and operated through a sufficient number of years to constitute a representative spectrum of water years (including below average, average, above average and transition water years).

In developing an optimum plan for through-Delta conveyance of water for export, the analyses and requirements of the plan will include but not be limited to the following.

- Through-Delta conveyance and interrelated plans will be fully analyzed and modified as necessary to comply with all of the state and federal current and future water salinity and dissolved oxygen standards.
- Through-Delta conveyance also will be optimized for compatible and balanced provision of in-Delta habitat, fish protection, native wildlife, in-Delta water quality, export water quality, protection of adequate South Delta water levels, conveyance of flood flows, and seismic risk. Local expertise, such as U.C. Extension Services, the Delta Protection Commission, Reclamation Districts, South Delta water agencies, Central and San Joaquin Flood Control Associations, farm advisors, NRCS District Conservationists, the three Delta Water Agencies, the California Central Valley Flood Control Association, the San Joaquin River Flood Control Association and CDFG Unit Managers, will be fully utilized in making this assessment.
- This optimization will include consideration of alternative ways to get Sacramento River water to the Central Delta with balanced protection of fisheries and native wildlife. The alternatives considered will include real time flow control through the Delta Cross Channel, Georgiana Slough, and Steamboat Slough, modification of flow patterns by dredging, flow control barriers, behavioral and screened control of fish. Optimization may also include a new channel from the Sacramento River to the Mokelumne channels providing that it is physically limited in capacity to not more than 4,000 cfs and can not readily be expanded in capacity.
- Study of an isolated conveyance facility should be pursued as a backup in the event that an optimized through-Delta system does not provide sufficient improvement in fisheries, water quality, and water supply reliability. This study should lead to a defined proposal that can be compared to the optimized through-Delta conveyance

regarding its potential for providing balanced improvement and protection for the environment, and in-Delta and export interests. The study must be developed through a peer-review process to ensure objective analysis.

- Conducting in Stage 1 the requisite feasibility and comparative studies for isolated conveyance, provided that there is a sincere effort to optimize through-Delta conveyance and other water quality improvement strategies.

Water quality improvement for one region or one purpose of use will not be made in a way that would degrade the desirable quality of water for another region or purpose of use. Because water quality needs vary depending on use, water transfers and/or exchanges can be made, but must be avoided if they cause or exacerbate problems of salt disposal, degrade groundwater quality, impact fisheries, increase fish contamination or cause significant redirected impacts.

New water development usually provides high quality water, and this can provide an overall water quality improvement that is not adverse to any user or purpose of use. However, manipulation of the new supply to benefit quality for a particular purpose of use may diminish the potential magnitude of the new supply. Such benefits should be funded by beneficiaries in proportion to benefits derived.

- The judgement as to whether the through-Delta conveyance system has been optimized, and the judgement as to whether it has been adequately tested must be made after all major features have been in place and operated through a sufficient number of years to constitute a representative spectrum of water years (including below average, average, above average and transition water years). This assessment must then be made by an open process that includes deliberation by all interests that are directly affected by water management in the Central Valley watershed.
12. Accurately identifying water supply increases from CALFED and private party actions.

CALFED should obtain from the responsible State of California agencies prompt forecasts of a range of probable water supply needs to meet the reasonable future needs for urban, rural, social, environmental, and agricultural purposes throughout the life of the CALFED plan. In addition, CALFED should cooperate with state agencies and stakeholders to promptly forecast how much water supply is needed to avoid long-term overdraft of groundwater.

This forecasting of future water demands, perhaps through the DWR Bulletin 160-03 process, should accurately describe the relationships between supply, demand and price and the wide array of ways available to meet demand.

The environmental need will be based on CALFED's proposed Ecosystem Restoration Plan. The urban need should be based on urban growth estimates with due

regard to predicted and planned population centers, taking into account the results of optimized water use efficiency measures. The agricultural need should be considered to be within a range for which the lower end would maintain the average level of consumptive water use that has been available over the past decade for the production of agricultural products. The upper end of the range would maintain this level of water for consumptive use on a per capita basis over time as the population grows.

CALFED will then assess the extent that this overall need can realistically be expected to be met with existing infrastructure and with the following methods that are commensurate with the alternative cost of water development:

- (a) realistically achievable improvement in multiple use of existing supplies,
- (b) realistic improvement in water recycling by districts,
- (c) realistic recycling of stream flows, and
- (d) realistically achievable desalinization of water otherwise too salty for reuse by methods that include the disposal of salt and other water borne contaminants.

With the likelihood of probable shortages in water supply over the life of the plan, CALFED will examine the physical feasibility of developing enough increase in water supply to avoid this shortage. It will examine the most cost effective and the least environmentally damaging ways to provide the groundwater and surface storage necessary to increase supply. It will examine the environmental, social, and other costs if the supply is not provided and the water shortage is shared in a balanced manner among the environmental, urban, rural and agricultural needs. It will examine the increase in value of water that would be necessary to justify the cost of the needed additional water supply, and the lead-time necessary to increase the supply.

After these analyses are available there will be an open process of evaluating the results and determine to what degree the legislature and the electorate wish to close the gap between supply and demand versus coping with the consequences of a future shortage.

13. Providing water supply reliability assurances during Stage 1.
14. Identifying in the ROD/Certification 1) a timetable for addressing integration of the Ecosystem Restoration Plan, other Bay-Delta restoration plans and the Environmental Water Account, 2) identifying in the ROD/certification a timetable for implementing environmental justice actions enumerated in paragraphs c) and f), including the development of environmental justice-related goals and objectives for each of CALFED's -proposed programs and dedication of appropriate funding and staffing to implement said environmental justice actions contained in paragraphs c) and f).

Water Operations

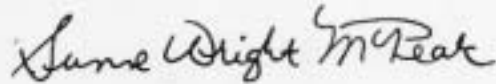
15. Revising state and federal water operations rules, through scientific peer review and other means, to incorporate "alarms" for elevating decisions when water quality and supply objectives, as well as fisheries objectives, are threatened.

Thank you for the opportunity to provide this recommendation and to support you in this very important endeavor. Please feel free to contact us with any questions or if clarification is needed.

Sincerely,



Mike Madigan, Chair
Bay-Delta Advisory Council



Sunne McPeak, Vice Chair
Bay-Delta Advisory Council

cc: Steven R. Ritchie, Acting Executive Director
Bay-Delta Advisory Council members

May 24, 2000

Attachment to May 24, 2000

Correspondence from Mike Madigan and Sunne McPeak to Deputy Secretary of the Interior
David Hayes and Secretary for Resources Mary Nichols.

In the interests of providing a timely submittal for the state/federal discussions, we are transmitting this letter to you before many Bay-Delta Advisory Council members have had an opportunity to review the recommendations and discuss them with their constituents. Listed below are Council members who support the recommendations contained in the letter. We expect that more members will express their support after they discuss them with their constituents and the organizations they represent. We will present a formal package to you and the CALFED Policy group at a later date.

Bay Delta Advisory Council members who support the May 24, 2000 recommendations from Chair Mike Madigan and Vice Chair Sunne McPeak, as of May 24, 2000:

Gene Andreuccetti	California Wildfowl Association
Byron Buck	California Urban Water Agencies
EZE Burts	Los Angeles Chamber of Commerce
Tom Decker	California Chamber of Commerce
Roger Fontes	Northern California Power Association
Howard Frick	Friant Water Authority/Arvin Edison
Martha Guzman	United Farm Workers of America
Eric Hasseltine	Contra Costa Council
Alex Hildebrand	South Delta Water Agency
Stuart Pyle	Kern County Water Agency
Marsha Sablan	City of Firebaugh
Michael Stearns	San Luis Delta Mendota Water Authority

The following members have expressed conditional support:

Torri Estrada	The Urban Habitat Program (will submit correspondence at a later date)
Pietro Parravano	Pacific Coast Federation of Fishermen's Associations (see attached letter)

July 6, 2000

The Honorable Bruce Babbitt
U.S. Department of Interior
1849 C Street, NW
Washington D.C. 20240

The Honorable Gray Davis
State Capitol Building
Sacramento, CA 95814

Subject: Recommendations for CALFED Record of Decision to Address Environmental Justice

Dear Interior Secretary Babbitt and Governor Davis:

It was just over a year ago that 33 community-based organizations sent you a letter raising concerns about CALFED's commitment to addressing environmental justice issues impacted by the CALFED program. We read with great interest the Framework for Action that was released on June 9, 2000. The Framework represents tremendous progress in charting a path to solve Bay-Delta water management issues in a manner that will require all stakeholders to contribute to and benefit from an array of solutions.

However, we are disappointed and concerned that the Framework does not contain explicit commitments and actions to identify and address the environmental justice implications of the CALFED program. We remain hopeful that our efforts over the last year in CALFED will be reflected in substantive integration of environmental justice into its programs and actions.

Environmental justice is the fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation, and enforcement of environmental laws, regulations, and policies. According to the EPA's Office of Environmental Justice, "fair treatment" means that no group of people, including a racial, ethnic, or socioeconomic group, should bear a disproportionate share of the negative environmental consequences resulting from the execution of federal, state, local, and tribal programs and policies. CALFED's principles include commitments to actions that reduce conflicts, are equitable, and result in no significant redirected impacts. Adherence to such principles requires a commitment to environmental justice.

CALFED's own mandate and its ultimate success requires that it effectively engage communities throughout California to ensure that they are not unfairly harmed by CALFED actions, but also that they can contribute to the solution CALFED seeks. Many of the problems that the CALFED program is meant to address, as well as the proposed and potential solutions, could have a disproportionate impact on low-income people and communities of color. Examples of impacts we have raised during our involvement in the CALFED process over the last year include, but are not limited to, the effects of water management reforms and water transfers on rural communities, including farm workers; the public health and financial impacts of ecosystem and water quality program actions on the large numbers of minorities and disadvantaged people living in urban and rural areas; and, the relationship between water quality and the subsistence fishers that are currently exposed to contaminants in the Bay-Delta waters they fish in and the fish they eat.

A year ago we argued that CALFED must meet its obligations to address existing and potential environmental justice problems for those communities in the Bay-Delta ecosystems and those impacted by Bay-Delta management. These obligations are based on federal and state laws. Executive Order 12898 and state law require that federal and state agencies conduct their programs, policies, and activities to ensure environmental justice. Title VI of the Civil Rights Act of 1964 requires that federal agencies and departments may not provide funding to programs that discriminate on the basis of race, including programs that have the *effect* of subjecting individuals to discrimination and disparate impacts. California's public trust doctrine holds that public resources such as water must be managed to benefit present and future generations of Californians regardless of their status as voters or their power as economic actors.

The CALFED program must make a stronger commitment to identify, address, and mitigate existing and potential environmental justice problems and impacts. By truly embracing its own principles, CALFED's program will affirmatively address existing and potential environmental justice problems in the Bay-Delta, not simply engage itself in an extensive and reactionary mitigation program as it moves forward. During BDAC's review of CALFED's preferred program alternative, BDAC members recognized the need for CALFED to strengthen its commitment to addressing the environmental justice implications of the program. This has been strongly represented in the May 24 letter from BDAC co-chairs Mike Madigan and Sunne McPeak to David Hayes and Mary Nichols (see attached Recommendation on CALFED Solution). BDAC members supported the recommendations we presented to them and recommended that they be incorporated into the ROD, including:

- "CALFED commits that every broad or site-specific measure for achieving CALFED goals will be analyzed technically and impartially before adoption and implementation in order to assure compliance with CALFED's principles, compatibility with other goals, avoidance of significant third party and unmitigable cumulative impacts within a given geographic area and among economic sectors, addressing related environmental justice concerns, and an integrated use of limited financial resources. CALFED will create clear criteria for determining significant third party, environmental justice, and unmitigable cumulative impacts. This will be done and revisions to the plan made by a process described in the ROD/Certification." [Recommendation on CALFED Solution, page 3; emphasis added]
- "CALFED will continue to seek and achieve environmental justice. The CALFED Bay-Delta Program and its participating agencies are committed to seeking fair treatment of people of all races, cultures, and incomes, such that no segment of the population bears a disproportionately high or adverse health, environmental, or economic impact resulting from CALFED's programs, policies, or actions." [Recommendation on CALFED Solution, page 4]
- "In continuing to seek environmental justice, CALFED will develop programs, policies, and actions to: identify and evaluate the environmental, health, social, and economic effects of CALFED activities; propose and commit to measures to avoid and mitigate disproportionate effects; seek participation from potentially impacted communities in finding alternatives or solutions to mitigate impacts; improve research and data collection related to health and environment of minority and low-income populations impacted by CALFED Bay-Delta Programs; and, support outreach and education activities to improve the public's ability to participate in CALFED decision-making and Program implementation, including transparent and facile public access to data taken from all programs." [Recommendation on CALFED Solution, page 4]

- "Identifying performance goals and indicators and assured funding for all Program elements, including environmental justice actions within each program area." [Recommendation on CALFED Solution, page 4; emphasis added]
- "Identifying in the ROD/Certification a timetable for implementing environmental justice actions enumerated in paragraphs c) and f), including the development of environmental justice-related goals and objectives for each of CALFED's proposed programs and dedication of appropriate funding and staffing to implement said environmental justice actions contained in paragraphs c) and f)." [Recommendation on CALFED Solution, page 9]
- Provide for representation of environmental justice, rural, and urban constituencies in its governance and decision making structures, including those developed within program areas. This remains both a long-term and interim governance issue. [Recommendation on CALFED Solution, page 5]

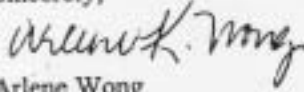
Such commitment and actions should result in discrete program activities that reinforce the linkages among CALFED program objectives and promote community involvement that truly allows attainment of CALFED's overall goals. CALFED staff and members of our coalition have been working on a set of environmental justice recommendations for the Policy Group to consider and incorporate into the ROD. Examples of environmental justice programs CALFED should undertake are:

- Connecting the water quality objectives of CALFED with fish contamination and pollution issues for the subsistence fishing communities throughout the Bay and Central Valley. This could include toxic hot spots planning and clean-up, appropriate testing, monitoring, education, pollution prevention, and best management practices.
- Supporting water use efficiency actions that also provide economic and other benefits to disadvantaged communities by ensuring they have a role in implementing such programs. Examples include not only toilet retrofit program such as those undertaken by community-based organizations in Los Angeles, but also toxics reduction and pollution prevention programs that are linked to water-efficiency and wastewater reduction, and increased skill development for farm worker irrigators.
- Providing incentives to implement best management practices in both agricultural and urban areas to reduce discharges by engaging community actors who are actively seeking to address water quality issues through pollution prevention, monitoring, and education activities.
- Improving groundwater management through improvements in groundwater quality. The ability for groundwater aquifers to serve as a source of storage and supply is also reliant on groundwater quality. Groundwater quality improvement should engage local actors in watershed management practices as well as clean up and protection actions to ensure that groundwater storage and transfers do not result in decreased water quality for users.

These recommendations (from BDAC and CALFED staff) are not reflected in the Framework and need to be included in the forthcoming Record of Decision. A vision for a balanced solution must recognize that California's communities of color and low-income communities are part of this solution, and therefore these communities must be explicitly engaged in CALFED actions. The Framework for Action does not adequately address this need. CALFED's Record of Decision must include a strong commitment to ensure community and environmental justice interests are represented and acted upon.

Interior Secretary Babbitt and Governor Davis
July 6, 2000
Page 4

Sincerely,



Arlene Wong
Pacific Institute

Kathryn Alcantar
Latino Issues Forum

Josh Bradt
Urban Creeks Council

Henry Clark
West County Toxics Coalition

Allen Edson
Environmental Science Institute

Torri Estrada
Urban Habitat Program

Martha Guzman
United Farm Workers of America, AFL-CIO

Myrna Hayes
Save San Pablo Bay

Michael Warburton
Community Water Rights Project/Ecology
Center

cc: David Hayes
Mary Nichols
Steve Ritchie
Eugenia Laychak
John Lowrie



CALIFORNIA FARM BUREAU FEDERATION

DEPARTMENT OF ENVIRONMENTAL ADVOCACY
2300 RIVER PLAZA DRIVE, SACRAMENTO, CA 95833-3293

CAROLYN S. RICHARDSON, DIRECTOR
RONALD LIEBERT
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BECKY DELL SHEEHAN
ATTORNEYS AT LAW

July 19, 2000

TELEPHONE (916) 561-5662
FACSIMILE (916) 561-5691

VIA FACSIMILE

Mike Madigan, Chair
Sunne McPeak, Vice Chair
Bay-Delta Advisory Council
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

Re: BDAC Recommendation on the CALFED Solution

Dear Sunne and Mike:

We are writing to convey our conditional support of your May 24, 2000 letter to David Hayes and Mary Nichols regarding the BDAC Recommendation on the CALFED Solution. Our support of your May 24th letter is conditioned specifically by the following concerns:

Summary

On page 2, in the Summary, appears the statement "The Bay Delta Advisory Council thinks that the PPA as it is written is not sufficient to be a workable solution but contains the framework for an acceptable solution if modified to include more action in Stage 1 and greater specificity of actions that will ensure continuous improvement in ecosystem restoration, water supply reliability, levee system integrity and water quality." To the contrary, the PPA as it is written does not yet contain the framework for an acceptable solution. Numerous modifications are necessary, but we agree that more actions in Stage 1 and greater specificity of actions overall would help to address the inadequacies of the current environmental document.

General Recommendations

The proposed CALFED Federal Record of Decision/State Certification of the Programmatic Environmental Impact Statement/Environmental Impact Report is not just the selection of a preferred approach to the management of the Delta and its watershed. Rather, it is a crucial planning document that should provide sufficient information and guidance to inform the public and ensure those charged with its implementation have clearly assessed both the objectives and the potential consequences of actions to be implemented by the CALFED

program. While we agree that "uncertainties in science and technology will require flexibility, and substantial commitments should not be based on highly speculative judgments," there are elements missing from the existing document that should be addressed prior to the ROD/Certification. Along those lines, we agree with your statement that, "CALFED will create clear criteria for determining significant third-party, environmental justice, and unmitigable cumulative impacts. This will be done and revisions of the plan made by a process described in the ROD/Certification." No such criteria currently exist in the draft environmental document. We will certainly be looking for these clear criteria when the final document is distributed for review and comment.

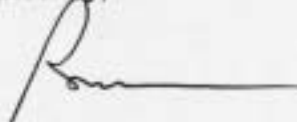
Specific Recommendations

We focus on Item 14, which specifies things that need to be identified in the ROD/Certification. We would add items that we have previously asked CALFED to identify, discuss, and specify criteria for resolution of those matters. Specifically, we refer you to our closing comments in our memorandum to BDAC, dated March 27, 2000 (copy attached).

Overall, we agree you have done a commendable job of trying to meld myriad concerns and sentiments into a coherent message for CALFED staff and administrators. While we may quarrel with specific use of language in certain areas, the concepts conveyed in the May 24th letter are consistent with a desire to reach consensus on a Bay/Delta solution that allows all interests to move forward on a cooperative and equal basis.

I would like to congratulate you on making significant progress in approaching BDAC consensus since I joined the discussion as a BDAC member representing the California Farm Bureau Federation in May of 1999. I do not think any two other people could have done a better job.

Sincerely,



BRENDA JAHNS SOUTHWICK

BJS:mo
Enclosure

\\brk1\legal\WP60\Brenda\CALFED\McPeak and Madigan.doc

cc: Steve Ritchie, Acting Executive Director, CALFED
BDAC Members



CALIFORNIA FARM BUREAU FEDERATION

DEPARTMENT OF ENVIRONMENTAL ADVOCACY
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TRANSMITTAL MEMORANDUM

--VIA FACSIMILE--

TO: EUGENIA LAYCHAK, BDAC COORDINATOR

FROM: BRENDA JAHNS SOUTHWICK, *BJS*
CFBF Representative for the Bay-Delta Advisory Council

DATE: March 27, 2000

SUBJECT: Proposed Preferred Alternative and Draft Motion on
Preferred Alternative

Enclosed are the Farm Bureau's comments on this subject, as requested. Sorry we were a tad late.



CALIFORNIA FARM BUREAU FEDERATION

DEPARTMENT OF ENVIRONMENTAL ADVOCACY
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March 27, 2000

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Mike Madigan, Chair
Sunne McPeak, Vice Chair
Bay-Delta Advisory Council
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

**Re: Proposed Preferred Alternative and
Draft Motion on Preferred Alternative**

Dear Mr. Madigan:

The California Farm Bureau Federation ("Farm Bureau") appreciates this opportunity to provide you with comments regarding the Draft Motion on the Proposed Preferred Alternative ("PPA").

We acknowledge the responsibility of the Bay-Delta Advisory Council ("BDAC") to "recommend the best solution alternative for implementation by the appropriate agencies, as part of the NEPA/CEQA environmental documentation process," pursuant to the BDAC charter. We certainly share your frustration with the broad nature of the PPA. Our frustration is compounded by our disappointment that CALFED administrators seem to be unable to articulate a clear sense of direction when it comes to action (as opposed to process).

On the other hand, the Farm Bureau continues to endorse the CALFED Bay-Delta Program Mission Statement, Objectives and Solution Principles, stated in the June 1999 Revised Phase II Report as follows:

The mission of the CALFED Bay-Delta Program is to develop a long-term comprehensive plan that will restore ecological health and improve water management for beneficial uses of the Bay-Delta system.

CALFED developed the following objectives for a solution:

- Provide good water quality for all beneficial uses.
- Improve and increase aquatic and terrestrial habitats and improve ecological functions in the Bay-Delta

to support sustainable populations of diverse and valuable plant and animal species.

- Reduce the mismatch between Bay-Delta water supplies and current and projected beneficial uses dependent on the Bay-Delta system.
- Reduce the risk to land use and associated economic activities, water supply, infrastructure and the ecosystem from catastrophic breaching of Delta levees.

In addition, any CALFED solution must satisfy the following **solution principles**:

- **Reduce Conflicts in the System** Solutions will reduce major conflicts among beneficial uses of water.
- **Be Equitable** Solutions will focus on solving problems in all problem areas. Improvements for some problems will not be made without corresponding improvements for other problems.
- **Be Affordable** Solutions will be implementable and maintainable within the foreseeable resources of the Program and stakeholders.
- **Be Durable** Solutions will have political and economic staying power and will sustain the resources they were designed to protect and enhance.
- **Be Implementable** Solutions will have broad public acceptance and legal feasibility, and will be timely and relatively simple to implement compared with other alternatives.
- **Have No Significant Redirected Impacts** Solutions will not solve problems in the Bay-Delta system by redirecting significant negative impacts, when viewed in their entirety, within the Bay-Delta or to other regions of California.

The Farm Bureau's review of the DPEIS/EIR compels us to conclude that CALFED's Preferred Program Alternative fails to adhere to its mission and conform to these stated objectives and solution principles.

For these reasons, we cannot endorse the PPA as currently written. But we do have the following comments on the Proposed Motion.

1. We agree with the recommendation for "aggressive progress" on these matters as amended:

- Guaranteed funding for ecosystem restoration shall not be exempt from annual appropriations processes (must ensure maximum accountability and transparency).
- Guaranteed Delta outflows for fish populations must be tied to corresponding improvements in (1) ocean fishery conditions as they affect inland population returns, and (2) water supply reliability and availability for all beneficial uses.
- Optimize water use efficiency for environmental, urban and agricultural uses under all circumstances (e.g., ecosystem restoration, storage development, etc.)
- Decisions made regarding storage and conveyance facilities should include completion of permitting relevant to these facilities. Moreover, financing formulae must include all water users – environmental, urban and agricultural – with respect to payment by beneficiaries.

2. We agree with the Preamble Proposal by Alex Hildebrand specifically on the following issues:

- Conflicts among objectives have yet to be analyzed and balanced within the availability of limited resources. Uncertainties in science and technology will require flexibility, but substantial commitments should not be based on highly speculative judgments.
- CALFED commits to compliance with the Mission statement that "Solutions will solve problems in all problem areas. Improvement for some problems will not be made without corresponding improvement for other problems," and CALFED will avoid "redirected impacts." In this context "problem areas" are now understood to include, for example, both terrestrial and aquatic habitat; both export and area of origin (including the Delta) water supply and quality; land and other resource needs for each of urban, environmental, and agricultural purposes as the population grows, etc.. More adequate water quality, for example, for one purpose or region of use does not substitute for less adequate water quality for another purpose or region of use.
- CALFED pledges that every broad or site specific measure for achieving a CALFED goal will be analyzed technically and impartially before adoption and implementation in order to assure compliance with CALFED's principles, compatibility with other goals, avoidance of third party and cumulative impacts, and for a balanced use

of limited natural and financial resources. This will be done and revisions of the plan made by a process covered elsewhere in the ROD.

- In providing for the needs of California's environment and growing population over the lifespan of the plan, CALFED will not rely on depletion of natural soil and groundwater resources.

- Water quality improvement for one region or purpose of use will not be made in a way that would degrade the desirable quality of water for another region or purpose of use. However, the water quality that is desirable differs for different uses. Water trades can, therefore, provide a net benefit, but must be avoided if they cause or exacerbate problems of salt disposal, degrade groundwater quality, or reduce the opportunity for multiple use or reuse of water by parties other than the transferor.

New water development usually provides high quality water, and this can provide an overall water quality improvement which is not adverse to any user or purpose of use. However, manipulation of the new supply to benefit quality for a particular purpose of use may diminish the potential magnitude of the new supply. The use of new supplies will not be made in ways that reduce the potential for narrowing the gap between supply and demand.

We would add the following as Implementation Issues that are important to the Farm Bureau:

Specifically, the Farm Bureau insists CALFED prepare for public scrutiny and agency decision-making the following documents:

1. An agricultural resources mitigation protocol to address any redirection of land or water to non-agricultural uses;
2. A cumulative impacts analysis protocol to address the practices and procedures that (a) will ensure maximum collaboration and coordination among CALFED member agencies and stakeholders; and (b) will spell out performance milestones by which CALFED will measure how projects and programs are contributing to meeting the Mission Statement, Objectives and Solution Principles as reiterated above.¹

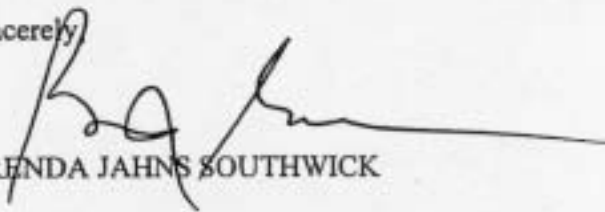
¹ Protocol: *a)* a signed document containing a record of the points on which agreement has been reached by negotiating parties preliminary to a final treaty or compact . . . (Webster's New World Dictionary, Second College Ed., (1970), David Guralnik, Editor.)

Mike Madigan, Chair
Sunne McPeak, Vice Chair
March 27, 2000
Page 5

3. An assurances package (see Exhibit F), that can be incorporated into the Record of Decision for implementation of the Ecosystem Restoration Program Plan and the Multispecies Conservation Strategy in reference to their effects on agricultural resources.

To the extent these Implementation Issues are specifically included in any revised PPA, we would, of course, be delighted to revisit the matter of endorsement.

Sincerely



BRENDA JAHNS SOUTHWICK

BJS:mo
Attachment

EXHIBIT F

DRAFT

**PRELIMINARY DRAFT
FOR DISCUSSION PURPOSES ONLY**

**CALFED BAY-DELTA PROGRAM
MULTI-SPECIES CONSERVATION STRATEGY**

**Proposed Assurances for Cooperating Landowners,
Local Agencies, and Other Private Interests**

It is anticipated that CALFED will establish some type of governance structure and an assured revenue stream to fund ecosystem restoration and conservation activities in future years. A multi-species conservation strategy is critical to the successful governance and financing of conservation and restoration activities. The following outlines a suggested assurances program to be included in the Record of Decision and any other documents approving the Program for the landowners, public agencies and other private organizations whose active participation and collaboration with CALFED will be essential for the success of a multi-species conservation strategy. The assurances program provides the critical avenue through which ecosystem conservation and restoration can occur in harmony with the needs of landowners, counties, local agencies, and other private interests.

1. *General Conservation Program.* These assurances would apply to landowners who allow restoration projects on their lands, who own/farm lands that are within a reasonable radius (depending on species) of a wildlife refuge or restoration project, or who are within a watershed that is being restored (e.g., Battle Creek). These assurances would apply to local public agencies (typically special districts, but could include counties or cities) with restoration projects within their boundaries or located where those restoration activities could affect the operations of the local public agency. Finally, the assurances would also apply to mutual water companies or other private organizations (generally referred to as "other private interests") that wish to participate in conservation or restoration activities or whose operations might be affected by such activities.
 - a. *Assurances to Landowners/Local Public Agencies/Other Private Interests.*
 - i. *Voluntary Participation.* Participation in the CALFED Bay-Delta Program shall be strictly voluntary. Landowners, local public agencies or other private interests may withdraw at any time and shall not suffer any

penalty or disincentive for withdrawing from the Program. Withdrawing landowners, local public agencies, or other private interests shall not be required to mitigate for their withdrawal or be deemed to have taken members of a covered species as a result of their withdrawal from the Program.

- ii. *Incremental Costs Borne by CALFED.* The incremental costs to a landowner, local public agency, or other private interest of participating in CALFED activities shall be borne by CALFED agencies. Incremental costs will be defined by comparing expenditures by the landowner, local public agency, or other private interest prior to a decision to participate in CALFED activities with the expenditures by the landowner, local public agency, or other private interest after a decision to participate in CALFED activities. Incremental costs are not to be based, in any way, on a concept of forcing a landowner, local public agency, or other private interest to pay for past habitat degradation.
- iii. *Private Property Rights.* All parties will fully respect private property rights of landowners. CALFED personnel will not enter upon private lands without the express permission of the landowner or manager, save in cases of bona fide emergencies.
- iv. *Confidentiality.* All information provided by a landowner relating to the implementation of the Program will be kept strictly confidential and shall not be subject to disclosure under either the Freedom of Information Act or the Public Records Act. To the extent that appropriate exemptions under either statute do not extend to information provided by landowners to CALFED agencies, CALFED and its member agencies agree to use their best efforts to seek legislation that would enact such exemptions. In addition, waiver of this right to confidentiality shall not be a condition for landowners to participate in the Program.
- v. *Right to Farm.* Landowners participating in the Program (and their neighbors) will be able to modify their cultural practices (including changing cropping patterns) freely, as long as they are engaged in routine and ongoing agricultural activities. For purposes of the CALFED program, "routine and ongoing agricultural activities" shall include all activities undertaken on a farm or ranch for the purposes of producing any plant or animal product for commercial purposes, the use of land for open space or passive recreational purposes, or the idling of land for conservation or other similar purposes.
- vi. *Monitoring.* Monitoring and site-specific surveys of the results of the Program will occur in the manner that is least intrusive to the landowner in

question. The landowner, local public agency, or other private interest may undertake self-reporting of progress, may retain his/her own biologists to perform such work, may permit agency personnel to conduct monitoring or site-specific surveys, or may work with the agencies to develop a reasonable monitoring program or site-specific surveys.

- vii. *Incidental Take Authorization.* Landowners, local public agencies, or other private interests participating in the Program (and their neighbors) will be given incidental take authority under section 10 of the federal Endangered Species Act for the incidental or accidental take of covered species, provided that the take is the result of routine and ongoing agricultural activities or results from inadvertent or ordinary negligent acts that occur on a farm or ranch in the course of routine and ongoing agricultural activities. In the case of local public agencies or other private interests, incidental take authority will extend to the routine and ongoing activities of that agency or company
- viii. *Liability Protection.* CALFED and/or its member agencies agree to indemnify, defend, and hold landowners, local public agencies, and other private interests harmless for any losses that may occur as a result of a landowner, local public agency, or other private interest allowing restoration activities on private or agency property.
- ix. *In-Lieu Fees.* CALFED and its member agencies recognize that local governments depend upon property taxes, special assessments, property fees, and other similar financing mechanisms to provide operating revenues. In connection with any lands that are acquired for restoration purposes, CALFED and its member agencies agree to pay in-lieu fees to local public agencies (including cities, counties and special districts) that are equal to the payments made by the private landowner prior to public acquisition.
- x. *No Criminal or Civil Penalties.* CALFED, its member agencies, and the United States and the State of California all agree that they will not seek criminal or civil remedies against participating landowners (or their neighbors), local public agencies, or other private interests for routine and ongoing agricultural activities (as described above) or activities that are authorized by the Program or for local public agencies or other private interests' routine and ongoing activities. Such activities would include, but are not limited to, the routine operation and maintenance of levees and other flood protection facilities and the construction, operation and maintenance of fish screens, weirs, or other similar facilities intended to protect or enhance aquatic species.

- xi. *Net Conservation Benefit.* CALFED and its member agencies recognize that it is important to offer landowners, local public agencies, and other private interests incentives to participate fully and actively in the restoration activities proposed by CALFED. To this end, landowners, local public agencies, and other private interests participating with CALFED will not be subject to the typical mitigation requirements established under the federal or California endangered species acts for impacts on listed species. Instead, as long as these parties' projects result in a net conservation benefit, these parties will not be subject to the typical mitigation requirements. Net conservation benefits include, but are not limited to, the reduction of habitat fragmentation rates; the maintenance, restoration, or enhancement of habitats; an increase in habitat connectivity; the maintenance or increase of population numbers or distribution; the reduction of the effects of catastrophic events; the establishment of buffers for protected areas; and the establishment of areas to test and develop new and innovative conservation strategies. The determination of net conservation benefit shall be made based on the best available scientific and commercial information by technical advisory committees composed of biologists representing landowners, private organizations, and local, state and federal agencies. Net conservation benefits include circumstances where a proposed project has minor adverse impacts on one or more species but has significant beneficial impacts on one or more other species.

For instance, suppose District X wishes to construct a fish screen. As part of that project, it will take a certain number of other listed or candidate species. If the net conservation benefits – taken as a whole – of screening exceed the losses of other listed or candidate species, the District will not need to engage in any mitigation for the construction of the fish screen. Or, suppose that an agency wishes to build a number of small flood control facilities that will take listed or candidate species in conjunction with the construction of new riparian or wetlands habitat. Finally, suppose that the construction of small flood control facilities mentioned above would have minor impacts on a number of listed or candidate species but the habitat creation would provide significant benefits to other listed or candidate species. As long as the proposed program – taken as a whole – yields a net conservation benefit, the program will not need to mitigate for its acknowledged adverse impacts on certain listed or candidate species.

- xii. *Other Permits and Activities.* CALFED and its member agencies recognize that they issue a large number of permits that regulate the activities of individuals, public agencies or mutual water companies. For instance (and without limitation), CALFED agencies issue permits under section 10 of the Rivers and Harbors Act, sections 401 and 404 of the

Clean Water Act, the California Endangered Species Act, and sections 1601 and 1603 of the California Fish and Game Code. Each of these permits that is issued in connection with activities intended to implement the CALFED Bay-Delta Program will incorporate all of the assurances contained in this policy. In addition, CALFED and its member agencies are engaged in a wide variety of other activities that are intended to assist in implementing the conservation strategy (e.g., activities implementing the Central Valley Project Improvement Act). These activities will also be carried out in a manner consistent with this assurances policy.

b. *Assurances to CALFED Agencies.*

- i. *Landowners.* Participating landowners will not interfere with restoration activities on their lands or on neighboring lands. Landowners will, to the extent reasonably practicable and consistent with their other use(s) of their property, facilitate restoration activities on their lands.
- ii. *Local Public Agencies and Other Private Interests.* Participating local public agencies and other private interests will not interfere with restoration activities within their jurisdiction. Local public agencies and other private interests will, to the extent reasonably practicable and consistent with their other activities, facilitate restoration activities on lands within their jurisdiction.

2. *Special Assurances for Levee Maintenance and Repair.* These special assurances would apply to individuals and local flood control districts (reclamation districts, levee districts, special act districts, and others) that operate and maintain flood control works. These assurances would also apply to the State of California when it undertakes to operate or maintain levees in the Central Valley. These assurances refine the general discussion of assurances that would apply to all CALFED activities.

a. *Assurances to Flood Control Districts.*

- i. *Incremental Costs Borne by CALFED.* The incremental costs to an individual or local public agency of levee maintenance and repair activities shall be borne by CALFED agencies, as described above.
- ii. *Liability Protection.* CALFED and/or its member agencies agree to indemnify, defend, and hold individuals and local public agencies harmless for any losses that may occur as a result of an individual or local public agency allowing restoration activities. This indemnification would include, but would not be limited to: (1) recreational activities (e.g., waterskiers or jet skis), (2) impacts on channel capacity or channel

roughness, (3) erosion due to plantings.

- iii. *Priority of Flood Control Activities.* Individuals and local public agencies with responsibility for flood protection will be able to engage in all activities necessary for the proper operation and maintenance of flood control facilities and so will fulfill their responsibilities to protect public safety.
- iv. *Incidental Take Authorization.* Individuals and local public agencies participating in the Program will be given incidental take authority under section 10 for the incidental or accidental take of covered species, provided that the take is the result of the routine and ongoing activities of that agency. Authorized practices for flood protection will be specified in a revision of the Corps of Engineers' operation and maintenance manual.
- v. *Net Conservation Benefit.* Projects proposed by individuals and flood control districts would be evaluated under the net conservation benefit principles described above. For instance, a district proposing to widen its levee in conjunction with the creation of shaded riverine aquatic habitat would qualify for the net conservation benefit principle.
- b. *Assurances to CALFED Agencies.* Participating individuals and local public agencies will not interfere with restoration activities within their jurisdiction. Individuals and local public agencies will, to the extent reasonably practicable and consistent with their other activities, facilitate restoration activities on lands within their jurisdiction.

3. *Special Assurances for Fish Screen Program.*

These special assurances would apply to water diverters who might install fish screens to protect listed species in the Central Valley and Delta. These assurances refine the general discussion of assurances that would apply to all CALFED activities.

- a. *Assurances to Diverters.*
 - i. *No Change in Diversions.* Diverters participating in the Program will not be required to change the magnitude, location or timing of diversions. The construction of a fish screen shall be accomplished in the manner that minimizes impacts on the diverter. CALFED will, if necessary, construct temporary diversion works.
 - ii. *No Surprises.* In the event that changes may be required in the fish screen after construction due to new listed species or new information about

covered species, the diverter shall be protected under the "no surprises" policy.

- iii. *Incidental Take Authorization.* Diversers participating in the Program will be given incidental take authority under section 10 of the federal Endangered Species Act and under the California Endangered Species Act for the incidental or accidental take of covered species, provided that the take is the result of the routine and ongoing activities of that diverter.
 - iv. *Incremental Costs Borne by CALFED.* The incremental costs to a diverter from the fish screening program shall be borne by CALFED agencies.
 - v. *Net Conservation Benefit.* The net conservation benefit principle would apply to fish screening projects in the manner described above in the context of the general conservation program.
 - vi. *Liability Protection.* CALFED and/or its member agencies agree to indemnify, defend, and hold the diverter harmless for any losses that may occur as a result of the diverter agreeing to participate in the Program.
- b. *Assurances to CALFED Agencies.*
- i. *Agreement to Screen Diversions.* At such time as CALFED deems appropriate, CALFED will undertake to screen the diversion at its own cost.
 - ii. *Participation in Screening.* Diversers will, to the extent reasonably practicable and consistent with their other activities, facilitate screening activities on lands within their service area.

4. *Implementation.* The assurances program will be implemented by a series of implementing agreements. These agreements may be of two types: programmatic agreements between CALFED and local public agencies or specific agreements between CALFED and individual landowners. In the case of programmatic agreements, it would be anticipated that the local public agency would then enter into subagreements with individual landowners. Implementing agreements would be entered into under the authority of the "no surprises" policy and "safe harbors" draft policy, as well as the federal government's general conservation authority under section 10(a).

In order to facilitate implementation of the CALFED program and simultaneously protect local interests, CALFED should establish local advisory bodies composed of specified representatives of local, state and federal agencies, water suppliers, landowners, and other interested parties. These local advisory bodies would be appointed by county boards of

supervisors and would function in the same manner as the SB 1086 Sacramento River Advisory Council.



**CONTRA COSTA
WATER DISTRICT**

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July 25, 2000

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President
James Pretti
Vice President
Elizabeth R. Anello
Bette Boatman
Noble O. Elcenko, D.C.
Walter J. Bishop
General Manager

To: Ms. Eugenia Laychak
BDAC Coordinator
CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

From: Greg Gartrell
Gary Bobker
Jason Peltier

Subject: Future Ecosystem Roundtable Meetings

The memorandum from Mr. Madigan, Chair of the Bay-Delta Advisory Committee, requested an indication of the meetings through January 1, 2004 that would require subsequent actions by the BDAC. This subject was discussed at the July 19, 2000 meeting of the Ecosystem Roundtable.

The Ecosystem Roundtable will be making formal recommendations on project approvals in early November 2000. These recommendations will be forwarded to the BDAC. Under the planned review and approval process, the projects will be recommended to the Ecosystem Roundtable in October 2000, with a subsequent 30-day comment period; with final recommendation by the Roundtable in early November. No other formal actions requiring subsequent action by the BDAC were identified.

cc: Mike Madigan, Chair, BDAC ✓

DEPARTMENT OF HEALTH SERVICES

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CALFED Bay-Delta Program

July 28, 2000

Ms. Eugenia Laychak
Bay Delta Advisory Council Coordinator
CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

Dear Ms. Laychak:

This is in response to the memorandum from Mike Madigan, Chair, Bay-Delta Advisory Council (DAC) in which he requested information on possible actions by the Delta Drinking Water Council (DDWC) for the remainder of the calendar year. In particular Mr. Madigan asked if the DDWC planned to meet during that time as a matter of existing policy or whether it will be developing policies or other recommendations that will require action from the BDAC. He also asked that if DDWC were planning to forward items for BDAC consideration, the timeframe be estimated.

DDWC plans to meet in late September or early October to develop the process that DDWC will use to select and prioritize the Drinking Water Projects to be carried out pursuant to the CALFED Framework of Action. In addition, DDWC may complete an assessment of the first group of projects. If that assessment is completed, DDWC will submit its recommendation on these projects to BDAC for its consideration before January 1, 2001.

If you have any questions, please contact me at (916) 322-2308.

Sincerely,

A handwritten signature in cursive script, reading 'David P. Spath'.

David P. Spath, Ph.D., P.E., Chief
Division of Drinking Water and
Environmental Management

cc: Steve Ritchie, Executive Director
CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814



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FAX (916) 654-9780
<http://calfed.ca.gov>

August 28, 2000

Mike Madigan, Chair
Bay-Delta Advisory Council
1416 Ninth Street, Room 1155
Sacramento, California 95814

Dear Mr. Madigan:

This letter is in response to your memo of June 30, 2000 regarding future Governance Work Group meetings.

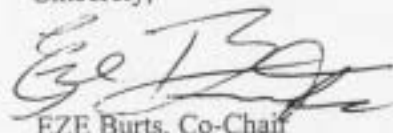
At its January 21, 1999 meeting, the Bay-Delta Advisory Council charged the Governance Work Group with assisting the Council and CALFED Bay-Delta Program in developing the CALFED Governance Plan and providing advice to the Council and CALFED Bay-Delta Program on long-term and interim governance issues. The Plan is part of the Final Programmatic EIS/EIR.

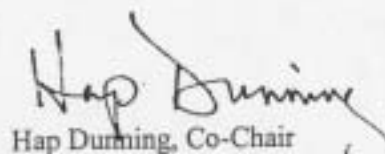
At this point, CALFED governance issues are the subject of pending State legislation; therefore, the related discussions have shifted to the Legislature and involve a broader group of constituents than those who attended our Work Group meetings. The Work Group has fulfilled its charge and as co-chairs of the Work Group, we do not anticipate the need for more Work Group meetings.

We have enjoyed serving as co-chairs and thank you and the Council for the opportunity to lead the Work Group in its important work. We appreciated the enlightening discussions we had with the Work Group members, Program staff, and stakeholders, which we hope resulted in a better plan and focused, informed dialogue by the Council.

Please feel free to contact us with any questions or comments.

Sincerely,


EZE Burts, Co-Chair
Governance Work Group


Hap Durning, Co-Chair
Governance Work Group

cc: Governance Work Group members
Kate Hansel, Assistant Director of Policy and Finance
Eugenia Laychak, Bay-Delta Advisory Council Coordinator

CALFED Agencies

California
The Resources Agency
Department of Fish and Game
Department of Water Resources
The Reclamation Board
California Environmental Protection Agency
State Water Resources Control Board
Department of Food and Agriculture
Delta Protection Commission

Federal
Environmental Protection Agency
Department of the Interior
Fish and Wildlife Service
Bureau of Reclamation
U.S. Geological Survey
Bureau of Land Management
U.S. Army Corps of Engineers

Department of Agriculture
Natural Resources Conservation Service
U.S. Forest Service
Department of Commerce
National Marine Fisheries Service
Western Area Power Administration

August 18, 2000

Mr. Mike Madigan, Chair
Bay Delta Advisory Council
CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

Ms. Eugenia Laychak
BDAC Coordinator
CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

Dear Mr. Madigan and Ms. Laychak:

Robert Meacher and I are writing this letter in response to your request for feedback on the plans of the Watershed Work Group to continue its work on behalf of CALFED and that we highlight specific issues that should be brought to the attention of the Bay-Delta Advisory Council (BDAC).

At our regularly scheduled Watershed meeting on July 21, we asked the Work Group participants for their advice on the additional tasks that need to be completed by the Work Group. About 50 members of the Watershed Work Group attended this meeting.

The overwhelming response of the participants was to affirm both the need for the Work Group's continuation and their commitment to attend future meetings. Short-term tasks identified by the Work Group include the completion of the Watershed grant program "RFP" package, development of criteria for evaluation of the integration and multiple benefits of CALFED projects, participation in the project selection process for CALFED Watershed Program funds, and creation of strategies for conducting public outreach and involving rural/environmental justice/tribal issues into CALFED. Please see the attached minutes from our meeting for a full listing of near term and future tasks.

CALFED Agencies

California The Resources Agency
Department of Fish and Game
Department of Water Resources
The Reclamation Board
California Environmental Protection Agency
State Water Resources Control Board
Department of Food and Agriculture
Delta Protection Commission

Federal Environmental Protection Agency
Department of the Interior
Fish and Wildlife Service
Bureau of Reclamation
U.S. Geological Survey
Bureau of Land Management
U.S. Army Corps of Engineers

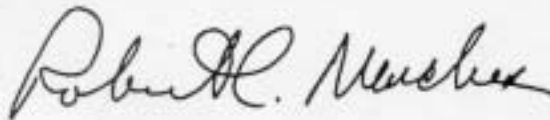
Department of Agriculture
Natural Resources Conservation Service
U.S. Forest Service
Department of Commerce
National Marine Fisheries Service
Western Area Power Administration

Mr. Mike Madigan
Ms. Eugenia Laychak
August 18, 2000
Page Two

We also anticipate that the Watershed Work Group will want to return to BDAC with the results from our discussions about the inclusion of rural/environmental justice/tribal issues in CALFED as well as the development of strategies for integrating the CALFED programs. Discussion of the Watershed Program RFP and decision making process for Watershed Program funds are other important issues that will need BDAC attention. We would be very pleased to have an opportunity to make a second presentation to BDAC to highlight the Work Group's activities and accomplishments. We would recommend that such a meeting be scheduled for the fall (late October, early November).

Finally, Robert and I want to thank you and the Bay-Delta Advisory Council for creating the Watershed Work Group as well as giving us the opportunity to co-chair this Group. It has been a wonderful experience. We are very proud of the work that we have accomplished and the many contributions that the Watershed Work Group has made to CALFED. We look forward to continuing this work through the coming year.

Sincerely,



Robert Meacher
Supervisor, Plumas County

For: Martha Davis
Executive Assistant, Inland
Empire Utilities Agency

Attachment

cc: CALFED Policy Group
BDAC Watershed Work Group

CALFED BAY-DELTA WATERSHED PROGRAM

BDAC Watershed Work Group Meeting Summary

Meeting Date: Friday, July 21, 2000

Meeting Location: Jones & Stokes
2600 V Street
Sacramento, CA

Meeting Attendees: See Attachment A

Introductions

Watershed Work Group (Work Group) Co-Chairs Robert Meacher and Martha Davis began the meeting with introductions. A list of attendees (Attachment A) and meeting handouts (Attachment B) are included with this summary.

Agenda Review

Ms. Davis reviewed the agenda with the Work Group. The morning agenda items included a review of the Work Group's accomplishments to date and a discussion of the future role of BDAC. Ms. Davis explained that these agenda items were prompted by a letter she and Mr. Meacher received from Mike Madigan, chair of BDAC. The letter requested that the Work Group provide information on additional tasks that need to be conducted. The Work Group was also asked to highlight any specific issues that should be brought to the attention of BDAC members. Ms. Davis explained that she thought this would be a good time to review Work Group accomplishments, discuss short-term tasks, and consider the group's future role. The letter will, in part, create a record of the Work Group's accomplishments and outline the future tasks. Ms. Davis will use the feedback from the meeting's discussion to draft the reply letter with Mr. Meacher and John Lowrie (Watershed Program manager).

Watershed Work Group Discussion

Where the Work Group Has Been

Mr. Meacher began the discussion by providing a historical perspective on the Work Group. He explained that a BDAC meeting addressing watershed issues was held in Redding in April 1998. The meeting was well attended and generated considerable support for the formation of a watershed work group. The first Work Group meeting was held in August 1998 and has since drawn a remarkable level of participation.

What the Work Group Has Accomplished

Ms. Davis began a discussion regarding the accomplishments of the Work Group by pointing out three notable achievements. First, she explained that the Watershed Work Group helped to

shape and develop the Watershed Program within 1 year. This is quite an accomplishment because most of the other Common Programs had 2 to 3 years to develop their programs. Second, the Work Group helped CALFED to consider the benefits that a broad geographic scope can bring to the solution area. The Work Group also encouraged CALFED to view the Bay-Delta as a whole watershed and take a watershed approach to addressing problems. Third, the Work Group has brought together a broad array of stakeholders. These stakeholders have worked together to weave a vision of a watershed approach for CALFED that is inclusive and tries to integrate not only the different constituencies, but the different issues that CALFED is addressing through a watershed approach. Ms. Davis noted that she was particularly pleased that environmental justice and tribal issues have been discussed.

Other achievements noted by the Work Group included the following:

- The Work Group is a model that proves that inclusive and consensus-based groups can get things done in a timely manner.
- The Work Group meetings provide a forum to gather and share information and be informed of watershed issues throughout the state.
- The Work Group has a problem solving focus.
- As the Work Group has interacted with the Watershed Program's Interagency Watershed Advisory Team (IWAT), the watershed groups and agency representatives have built partnerships.
- The Work Group has helped to change the nature of the Watershed Program from an "element" of CALFED to an approach to be used by CALFED as a whole.
- The Work Group has helped to bring recognition that many small scale projects can be just as beneficial as a few large projects.
- The Work Group has emphasized the importance of local people and communities working in the watershed.
- The Work Group has been the only consistent forum to learn and teach others about their own watersheds and to exchange information.
- Meetings of the Work Group enable individuals to share success stories and lessons learned from other watershed groups.
- The Work Group has helped to discard the north/south watershed view and create a more holistic watershed view.
- The Work Group meetings provide a forum to address environmental justice and tribal issues.

Areas of Improvement for the Work Group

Ms. Davis asked the group members if they had any comments on areas in which the Work Group needed to improve. One meeting participant stated that the Work Group meetings need to include more watershed coordinators and others who are working "on the ground." Outreach is needed to convince these individuals that their participation is important. Other participants noted that more involvement is needed from water agencies who have water rights, and Southern California watershed representatives. It was also suggested that the Work Group needs to better integrate with the other Common Programs.

Status of the Work Group

The discussion then turned to the present state of both the Watershed Program and CALFED as a whole. Mr. Lowrie announced that the final Programmatic Environmental Impact Statement/Environmental Impact Report (EIS/EIR) was posted on the CALFED website at 11:00 a.m. today. There will not be a formal review and comment period, but there will be a 30-day waiting period before the Record of Decision is signed (this is expected to occur August 25, 2000). This 30-day period is not a second public or agency review and comment period. However, any comments received during this 30-day period will be forwarded to CALFED decision makers for their consideration. The agencies are not required to respond formally to those comments.

Mr. Lowrie further explained that much of the contents of the Framework for Action (Framework) are included in the final Programmatic EIS/EIR in some shape or form. However, there may be some aspects that are not defined clearly. For example, the long-term governance structure is not clearly defined in the document because it is still under development and will require legislation.

Regarding funding, Mr. Lowrie explained that the state's general fund appropriation process is complete. Governor Davis has signed the appropriations bill, which allocates \$20 million for implementation of the Watershed Program. However, the Watershed Program is not authorized to spend these funds at this time. Authorization will come through a trailer bill that is still being drafted. It is speculated that Senator Burton is authoring this trailer bill. Mr. Lowrie added that the Watershed Program staff is working under the assumption that authorization will come through in a timely manner. Therefore, staff is currently developing a Request for Proposals (RFP) process to make funds available for community watershed projects. It is anticipated that the RFP will be released in early October of this year.

Status of BDAC

Eugenia Laychak (CCPDR/CALFED) briefly explained the premise and function of BDAC. BDAC was formed in 1995 to provide advice in the planning process for CALFED. This group of representative stakeholders was formed under the Federal Advisory Committee Act and operates under a federal charter. To date, BDAC has provided advice on the geographic scope, CALFED objectives, solution alternatives, evaluation criteria for CALFED solutions, CALFED governance (both short-term and long-term), and priorities for implementation. In addition, members of BDAC have worked together to develop a recommendation of the CALFED solution. On May 24, 2000, a formal recommendation on the CALFED solution was submitted to the CALFED Policy Group on behalf of BDAC. The recommendation is available for viewing

at the CALFED web site: <http://calfed.ca.gov>.

Ms. Laychak also provided clarification regarding the rumors that BDAC has dissolved. She explained that although BDAC is not planning on meeting again in the near future, the federal charter is valid until July 2001. The Secretary of Interior may dissolve BDAC if he sees fit, although he is not expected to do so. Ms. Laychak was asked what would happen to the Work Group if BDAC dissolves. She explained that officially the Work Group would dissolve as well. However, the federal agencies realize the importance of all the BDAC work groups and it is very doubtful that this would occur. Ms. Laychak stated that it is likely that BDAC and the work groups will stay in place at least until a new form of advisory council is formed under the interim CALFED governance structure. Ms. Davis added that a permanent governance structure must be authorized under legislation. Therefore, it is likely that the interim form of governance will be quite similar to the existing arrangement, which includes the Policy Group, advisory groups, CALFED staff, and agency commitments.

Near Term Tasks

Ms. Davis asked the meeting participants what tasks they felt the Work Group needed to focus on during the next couple of months. Mr. Meacher brought up an issue that he wanted to see the Work Group address in the near term. He explained that the Framework briefly summarizes each of the Common Programs. However, the Watershed Program is the only common element that states that funded activities must "substantially" contribute to CALFED goals. Mr. Meacher explained that his concern is that the Watershed Program is being held to a higher standard than the other common elements. After some discussion, the Work Group agreed to request that all of the Common Programs be held to the same standard. Ms. Davis stated that she would include this issue in the reply letter to Mike Madigan.

The Work Group brainstormed other tasks that should be addressed in the near future. The following are some of the participants' comments:

- A discussion needs to be planned to address how the Watershed Program can effectively encourage capacity building among local watershed groups.
- The Work Group needs to discuss how the Watershed Program can encourage and evaluate multiple benefits.
- The Work Group should assist in clarifying the proposed RFP criteria to encourage water users, landowners and water rights holders to participate in the program.
- The Work Group should help define how projects are selected in the RFP process.
- The Work Group should help develop a strategy for the outreach element of the Watershed Program. Some participants gave support to watershed workshops at the regional or local level. It was also added that the Work Group needs to discuss what is meant by "outreach".
- A discussion should be planned to develop strategies that will better integrate environmental justice (rural and urban) and tribal issues into the CALFED process.

- The Work Group should provide assistance and guidance in preparing a "road map" to achieve the objectives of the Watershed Program Plan.
- The Work Group should increase communication with BDAC. The Work Group should inform BDAC of the criteria and priorities that have been developed for the RFP package.
- The Work Group should continue to interact with the other work groups.
- Watershed assessments should be discussed. If funding watershed assessments is going to be a priority of the Watershed Program, then some type of standard for the assessments should be established.

Future of the Work Group

After a lunch break, Ms. Davis began a discussion on the future of the Work Group. A large part of the discussion was focused on outreach activities. The following are comments from the meeting participants:

- It is important to include more local watershed "action" people such as landowners and watershed coordinators in the Work Group. These folks need to be engaged in the process. Regional meetings could be an effective tool for outreach to these individuals. Each regional meeting should have a different focus and be specific to the needs of the region.
- The Work Group has a service to offer beyond what has already been accomplished. The Work Group's mission in the next phase should focus on implementing the Watershed Program.
- The Work Group needs to address two important elements, outreach and capacity building. It should assist in defining these elements and proposing ways that the Watershed Program will address and implement them.
- The Work Group should help develop and compile success stories to illustrate to policy makers how capacity building has led to "on-the-ground" projects.
- The Work Group should help develop a model for peer learning.
- One of the future tasks for the Work Group and the Watershed Program should be to address property rights and riparian rights.
- The Work Group should help to identify ways that the Watershed Program can support capacity building to persuade landowners to "buy in".

- The Work Group and Watershed Program should be conscious of its role. The Work Group's tasks do not include organizing landowners at a local level; on the other hand, the Work Group is not in a position to make policy. The Work Group should be very intentional as to where it fits in and how it can truly help implement the Watershed Program Plan.
- The Work Group should continue to act as a liaison between CALFED and the local watersheds.

Watershed Updates

Department of Conservation - Luree Stetson (Department of Conservation) announced that Governor Davis has approved \$2 million in funding for watershed coordinators. The two-year program will provide funds to Resource Conservation Districts to hire watershed coordinators. The Department of Conservation will conduct workshops beginning in mid to late August to discuss the process. It is anticipated that the applications will be released in November and money allocated early 2001. Contact Ms. Stetson for further details at 916/322-1080.

California Biodiversity Council (CBC) - Nina Gordon (Resources Agency) announced that the next CBC meeting will be held in Rohnert Park on September 20. The "funding paper" that the CBC Watershed Work Group has been working on will be discussed from 10:00 a.m. to noon. Contact Ann Kalsius at 916/227-2661 for additional information.

CBC Watershed Work Group - Ms. Gordon also announced that the next CBC Watershed Work Group meeting will be held on October 6 in Davis.

Meeting Participants

Name	Affiliation
Allyaud, Bill	Sierra Club - California
Barris, Lynn	Sacramento River Watershed Program Resource Center
Burton, Gary	Western Area Power Administration
Carter, Kristin	California State University, Chico
Cornelius, James	Calaveras Water District
Coulter, Ken	State Water Resources Control Board
Crooks, Bill	City of Sacramento
Cutting, Lisa	Mono Lake Committee
Davis, Martha	Inland Empire
Drake, Nettie	Panoche/Silver Creek CRMP
Epting, Rahna	Jones & Stokes
Fox, Dennis	Outdoor Sportsman Coalition
Frankel, Andrew	Sacramento Regional County Sanitation District
Frink, Ted	California Department of Water Resources
Fry, Vicki	Bookman Edmonston
Gonzales, Robert	East Bay Municipal Utility District
Gordon, Nina	California Resources Agency
Harthorn, Allen	Sacramento River Watershed Program
Heiman, Dennis	Regional Water Quality Control Board—Redding
Hoyos, Renee	University of California, Davis -ICE
Knecht, Mary Lee	Jones & Stokes
LaRue, Bruce	Santa Rosa Rancheria
Laychak, Eugenia	California Center for Dispute Resolution/CALFED
Legacki, Laura	University of California, Davis - ICE
Lossius, Bob	Lake County Department of Public Works
Lavalle, Jane	City of San Jose Environmental Services
Lowrie, John	CALFED Watershed Program
Martin, Ajanette	Northern California Water Agencies
Meacher, Robert	Plumas County Supervisor/RCRC/BDAC
Meek, John	San Joaquin Resource Conservation District
Morat, R	U.S. Fish and Wildlife Service
Nakamura, Gary	University of California Cooperative Extension
Newlin, Vicki	Butte County Water Division
Olsen, Jenna	Tuolumne River Preservation Trust
Rentz, Mark	California Forestry Association
Robins, Paul	Yolo County Resource Conservation District
Samson, Pauline	DOI-Office Environmental Policy & Compliance
Smith, Tiffany	Santa Rosa Rancheria
Stetson, Luree	Department of Conservation
Stocker, Val	Yuba County
Tupper, Julie	U.S. Forest Service
Ward, Kevin	University of California, Davis
Wessman, George	HydroGeologic, Inc.
Wills, Leah	Plumas Corporation
Wright, Cary	Sweetwater Authority
Zimny, Chris	California Department of Forestry

September 13, 2000

TO: Eugenia Laychak
FROM: Roberta Borgonovo
RE: BDAC Ecosystem Work Group

In response to the request from Mike Madigan, Chair of BDAC, I recommend that the Ecosystem Roundtable and the Ecosystem Focus Group convene at least two meetings to discuss interim oversight of the Ecosystem Restoration Program Plan. These meeting should take place before December 31, 2000. The meetings should result in a recommendation to BDAC that will ensure the ongoing effective implementation of the Ecosystem Restoration Program Plan.

This recommendation is intended to leave in place the Ecosystem Roundtable as the main body overseeing the ERP but also to include the policy people from the Ecosystem Focus Group to look at oversight for the entire ERP. The Ecosystem Work Group should continue to exist until these meetings take place and a satisfactory interim oversight process is in place. I will be happy to work with CALFED staff to coordinate these meetings.

To: Eugenia Laychek Fax (916) 654-9780
From: Alex Hildebrand Fax (209) 825-6180

I am requesting that two items be included on the agenda for the November 15 BDAC meeting.

First, an explanation of why CALFED neither adopted nor responded to major recommendations by BDAC that were submitted on May 24.

Second, the need for CALFED's program to comply with the State and Federal dissolved oxygen standards in South Delta channels and in the Stockton Ship channel. CALFED needs to address this issue in its Delta water management proposals and should reconsider its decision not to fund application 2001-F213-1 which was submitted in behalf of the DO Steering and Technical Committees. I attach a draft of a letter on this concern which will be sent with attachments on or about November 1. There will be public comments at the meeting on this issue.

Thank you.

10/11/00 DRAFT

Steve Ritchie
Wendy Halverson
All members of BDAC

RE: Measures for compliance with dissolved oxygen standard

I am writing to urge CalFed to address the effect of CalFed's Delta water management plans on the feasibility of complying with State and Federal requirements for adequate dissolved oxygen (DO) for fish in Delta channels. The DO Technical Committee, of which I am a member, is studying the causes of inadequate dissolved oxygen. The committee has determined that it will not be feasible to correct the DO problem in the Stockton Ship Channel without maintaining an adequate minimum inflow to the Ship Channel. It appears that this inflow cannot be provided without operation of the South Delta tidal and HOR barriers. These barriers are also needed to comply with the State's South Delta salinity standards and to control DO in Old River. Furthermore, they keep the algae and nutrients in the San Joaquin River from being drawn to the export pumps. The flow path of through-Delta conveyance of export water also affects the DO problem.

In addition, we urge you to reconsider CalFed's decision not to fund continuation of the study of causes and solutions of the DO problem, application 2001-F213-1. Restoring adequate inflow to the Ship Channel is necessary, but probably not sufficient by itself to correct the problem. In any event, an implementation plan that could impact large numbers of upstream point and non-point drainers would have to be technically defensible. The work in the funding proposal is, therefore, also essential. An attached memo further explains the reasons for the funding application. We urge that it be funded at an adequate level.

Please put this DO issue on the agenda for the November BDAC meeting.

Sincerely,

Alex Hildebrand